	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FOR AMENDED REPOR		
APPLIC	CATION FOR	PERMIT TO DRILI	L			1. WELL NAME and	NUMBER East Chapita 94-23		
2. TYPE OF WORK DRILL NEW WELL (REENTER P&	A WELL (DEEPE	EN WELL	.(iii)		3. FIELD OR WILDO	CAT NATURAL BUTTES		
4. TYPE OF WELL Gas We	II Coalb	ed Methane Well: NO				5. UNIT or COMMU	NITIZATION AGRE	EMENT NAME	
6. NAME OF OPERATOR	NAME OF OPERATOR EOG Resources, Inc.				7. OPERATOR PHONE 435 781-9111				
8. ADDRESS OF OPERATOR 600 17th 5	Street, Suite 100	00 N, Denver, CO, 8020	02			9. OPERATOR E-MA kaylene_g	IL gardner@eogresource	es.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)		11. MINERAL OWNE	IAN (FEE (II)	12. SURFACE OWN	ERSHIP DIAN (STATE (FEE (III)	
UTU67868 13. NAME OF SURFACE OWNER (if box 12	= 'fee')					14. SURFACE OWN			
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')					16. SURFACE OWN	ER E-MAIL (if box 1	12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME		18. INTEND TO COM		LE PRODUCT	ION FROM	19. SLANT			
(if box 12 = 'INDIAN')				gling Applicat	ion) NO 📵	VERTICAL DIF	RECTIONAL (H	ORIZONTAL (
20. LOCATION OF WELL	FO	OTAGES	Q1	rr-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	470 FI	NL 579 FEL	ı	NENE	23	9.0 S	23.0 E	S	
Top of Uppermost Producing Zone	470 FI	NL 579 FEL	1	NENE	23	9.0 S	23.0 E	S	
At Total Depth	470 FN	NL 579 FEL	<u></u>	NENE	23	9.0 S	23.0 E	S	
21. COUNTY UINTAH		22. DISTANCE TO N	4	70		23. NUMBER OF AC	RES IN DRILLING	UNIT	
		25. DISTANCE TO N (Applied For Drilling	g or Co		AME POOL	26. PROPOSED DEF	PTH : 8600 TVD: 8600		
27. ELEVATION - GROUND LEVEL 5102		28. BOND NUMBER	NM:	2308		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICAL 49-225			
		A	TTACH	IMENTS					
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORCAN	CE WI	TH THE UT	TAH OIL AND G	AS CONSERVATI	ON GENERAL RU	ILES	
WELL PLAT OR MAP PREPARED BY	ICENSED SUR	VEYOR OR ENGINEE	R	сом	PLETE DRILLING	PLAN			
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURF	ACE)	CE) FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)				торс	OGRAPHICAL MAI	P			
NAME Mary Maestas	TITL	E Regulatory Assistant			PHONE 303 8	24-5526			
SIGNATURE	DATI	E 12/22/2008			EMAIL mary_	maestas@eogresource	es.com		
API NUMBER ASSIGNED 43047502400000	APPI	ROVAL			Permi	CALLI it Manager			

API Well No: 43047502400000 Received: 12/4/2008

	Prop	osed Hole, Casing, a	nd Cement		
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)	
Cond	17.5	13.375	0	60	
Pipe	Grade	Length	Weight		
	Grade H-40 ST&C	60	48.0		Г

API Well No: 43047502400000 Received: 12/4/2008

	Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)			
Surf	12.25	9.625	0	2300			
Pipe	Grade	Length	Weight				
	Grade J-55 ST&C	2300	36.0			Г	

API Well No: 43047502400000 Received: 12/4/2008

	Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)			
Prod	7.875	4.5	0	8600			
Pipe	Grade	Length	Weight				
	Grade N-80 LT&C	8600	11.6			Γ	
					Τ	Г	

EAST CHAPITA 94-23

NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. **UINTAH COUNTY, UTAH**

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,614		Shale	
Mahogany Oil Bed Shale	2,219		Shale	
Wasatch	4,399	Primary	Sandstone	Gas
Chapita Wells	4,955	Primary	Sandstone	Gas
Buck Canyon	5,659	Primary	Sandstone	Gas
North Horn	6,162	Primary	Sandstone	Gas
KMV Price River	6,350	Primary	Sandstone	Gas
KMV Price River Middle	7,138	Primary	Sandstone	Gas
KMV Price River Lower	7,898	Primary	Sandstone	Gas
Sego	8,397		Sandstone	
TD	8,600			

Estimated TD: 8,600' or 200'± below TD **Anticipated BHP: 4,696 Psig**

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft \pm of the Green River Formation, with top at about 2,000 ft \pm .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

3. PRESSURE CONTROL EQUIPMENT: Production Hole – 5000 Psig

BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	Tensile
Conductor	17 1/2"	0 – 60'	13 %"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
		0 – 2,300'							
Surface	12 1/4"	KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	223,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

8 point plan-EOG 1 9/20/06

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

6. MUD PROGRAM

Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' \pm - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'±-TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- o EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- o EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, requiring during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by waster mist.
- o EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- o EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Logs: Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

Cement Bond / Casing Collar Locator and Pulsed Neutron

EAST CHAPITA 94-23

NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI₂, 3 lb/sx GR3

¹/₄ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCI₂, ½#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2

gps water.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18

ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

Production Hole Procedure (2300'± - TD)

Lead: 115 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 826 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, 1.28 ft³/sk., 5.9gps water.

Note: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to $200'\pm$ above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to $400'\pm$ above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 2300'±):

Lost circulation

Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

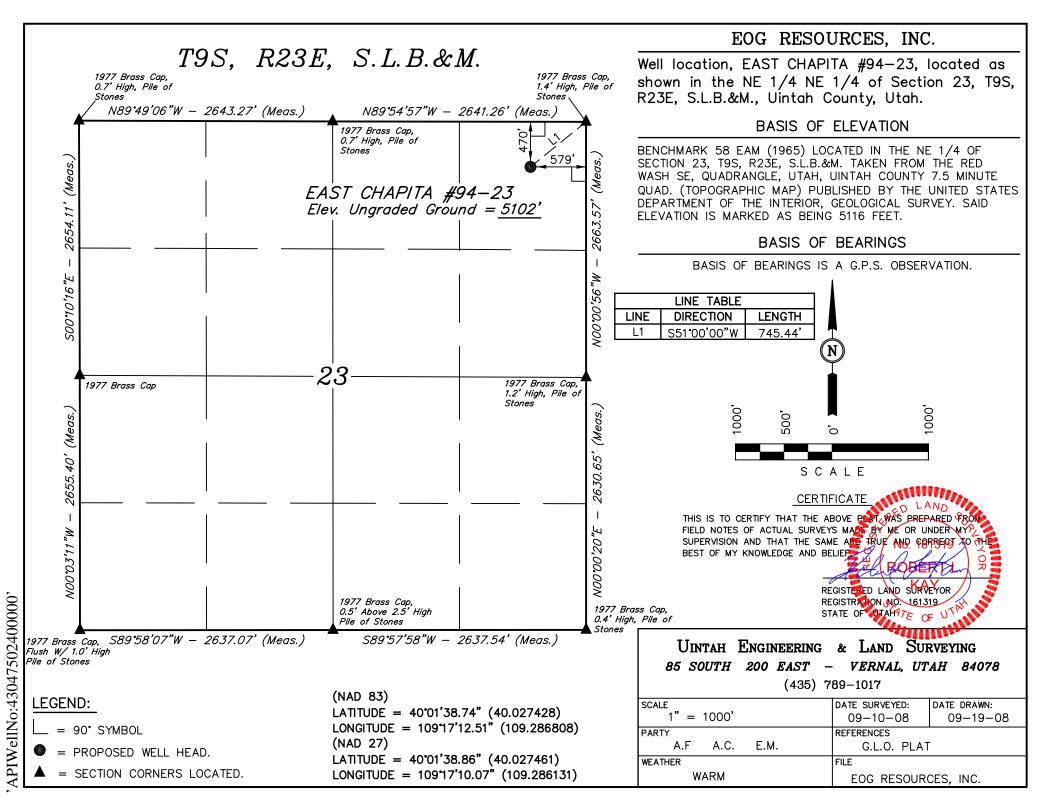
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)



EOG RESOURCES, INC. EAST CHAPITA #94-23

LOCATED IN UINTAH COUNTY, UTAH SECTION 23, T9S, R23E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

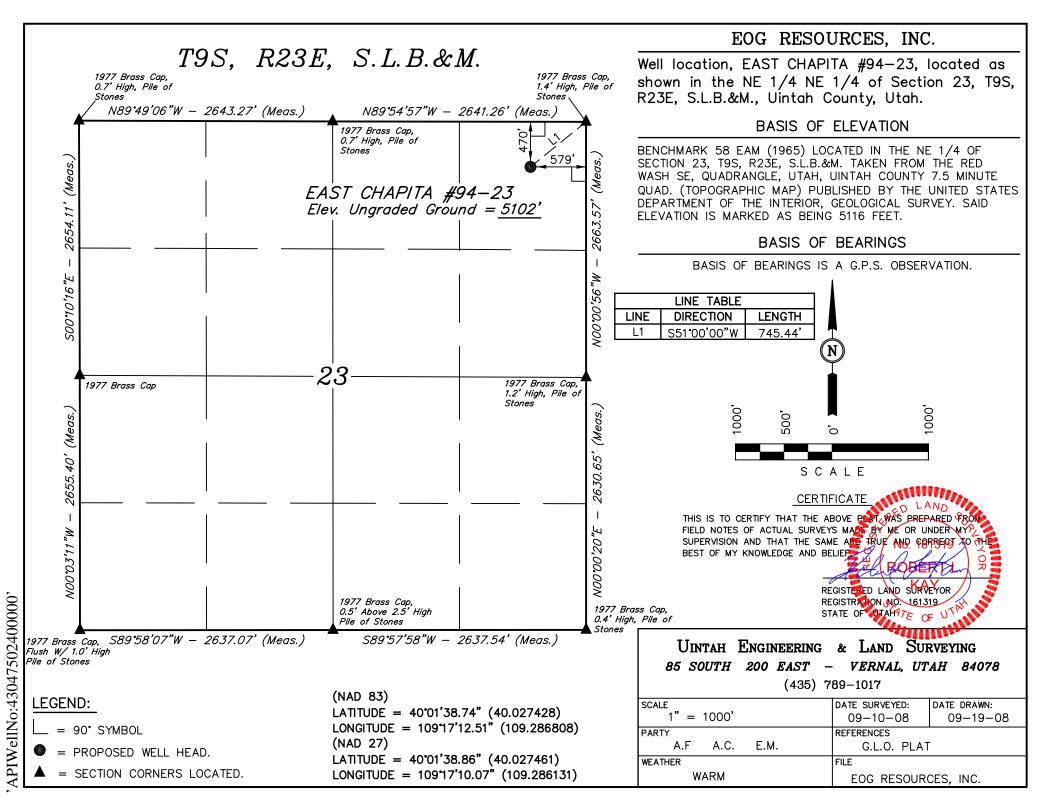


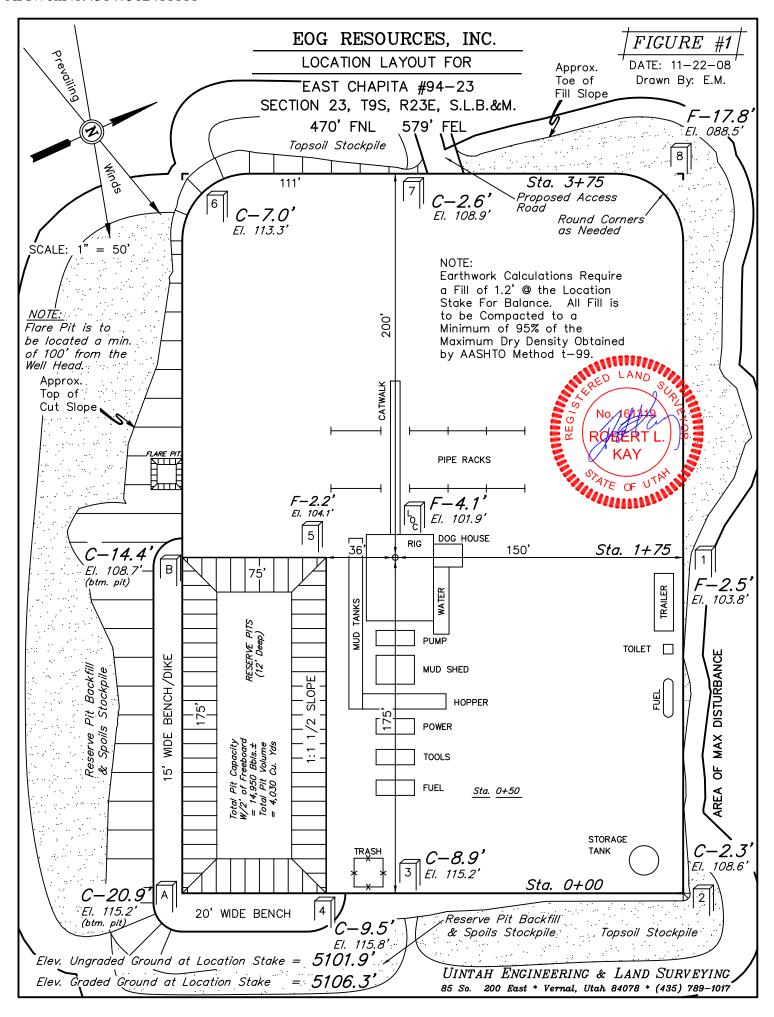
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

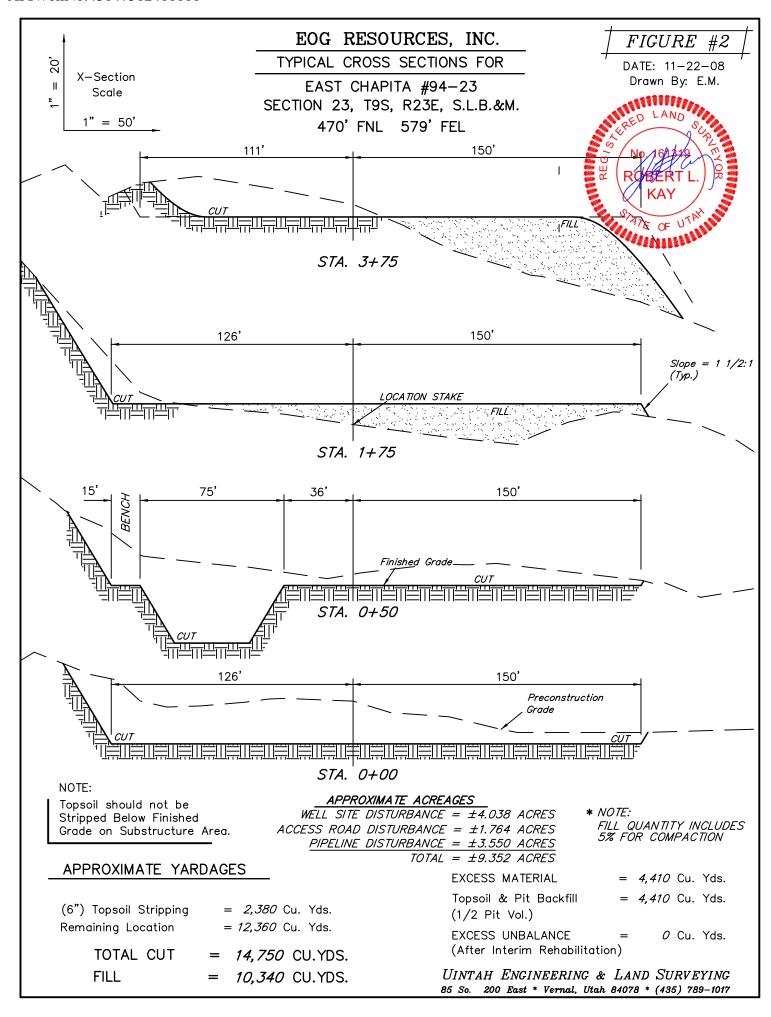
CAMERAANGLE: NORTHEASTERLY

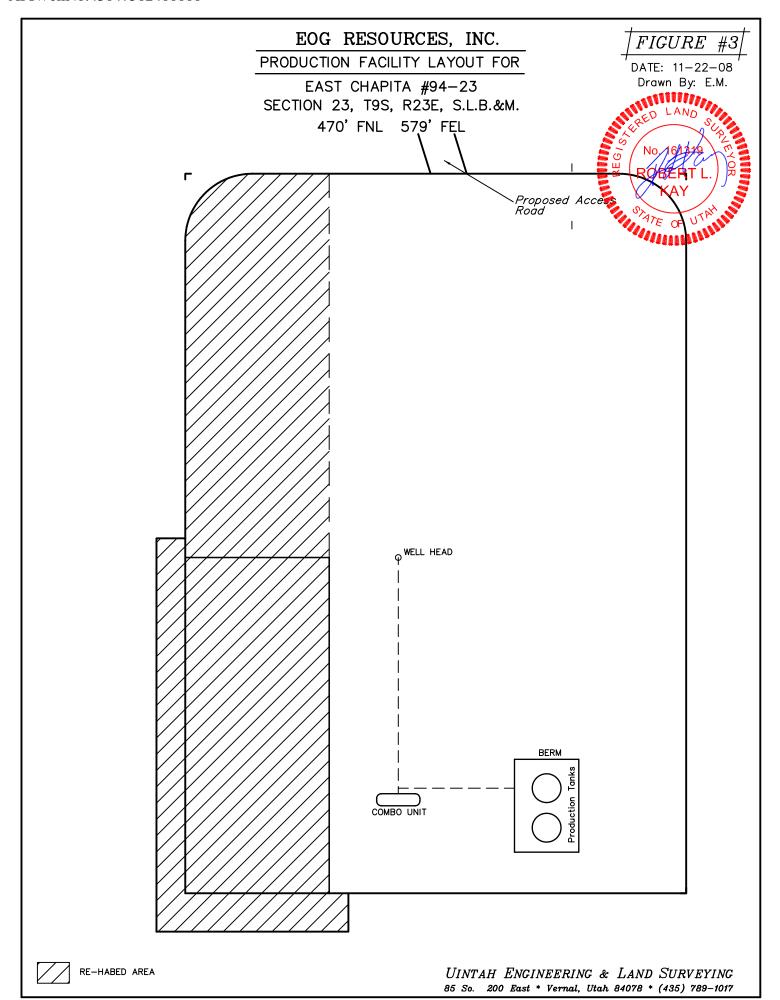


		09 MONTH	23 DAY	08 YEAR	РНОТО
TAKEN BY: A.F.	DRAWN BY: Z.I	. REV	TSED: 0	0-00-00	





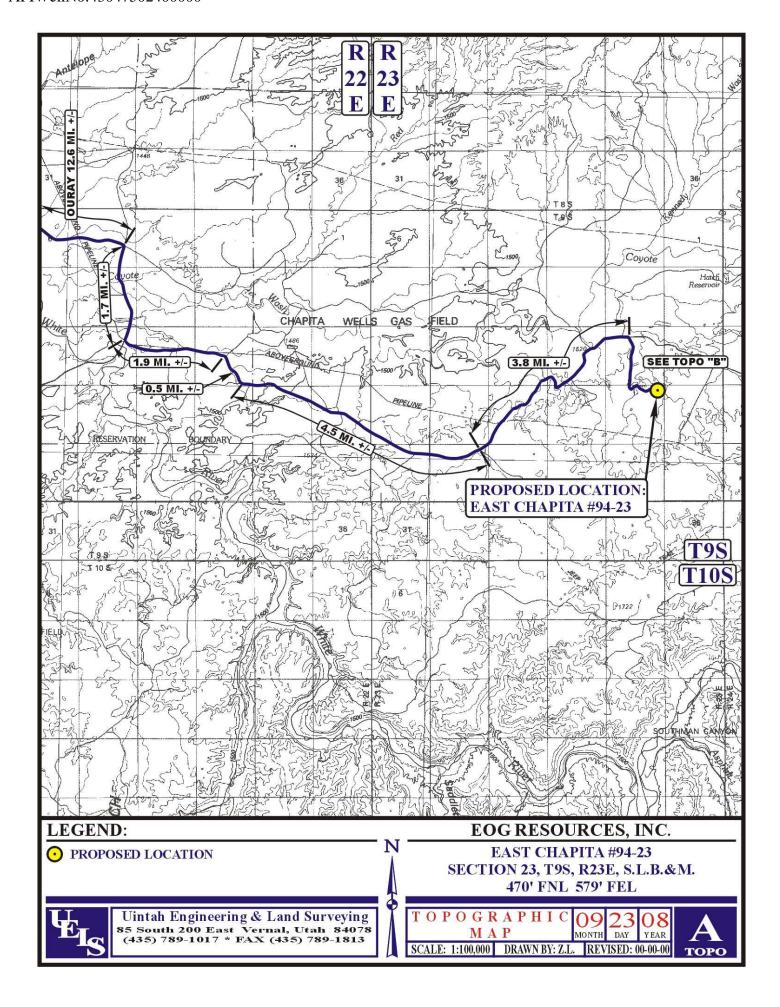


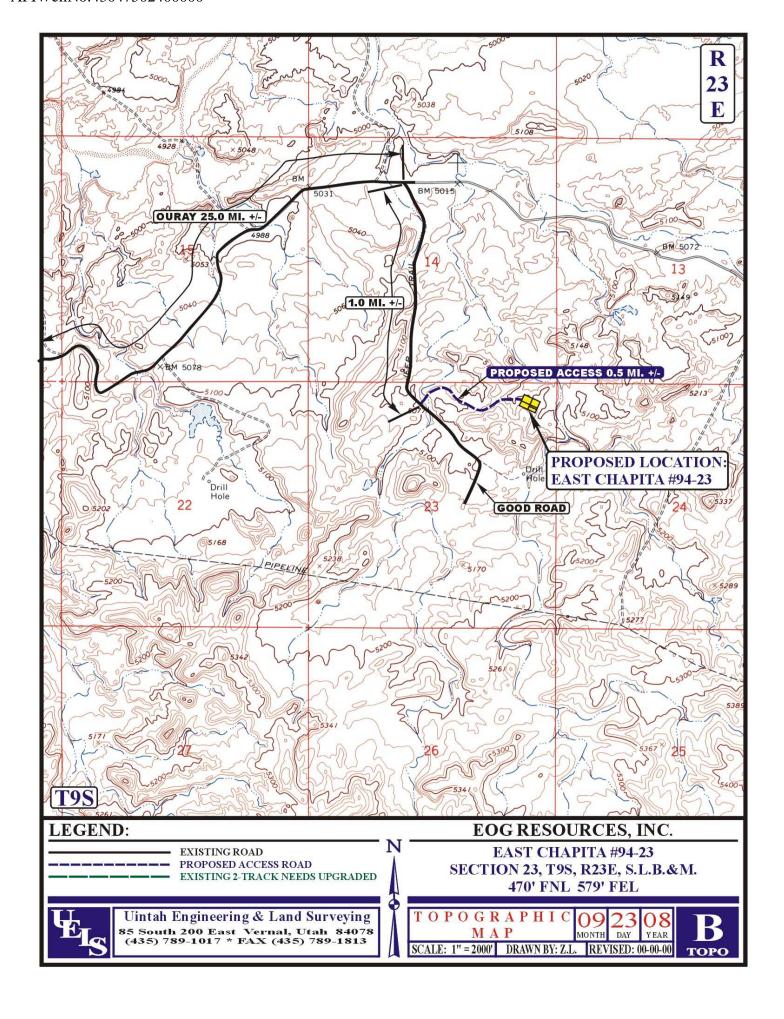


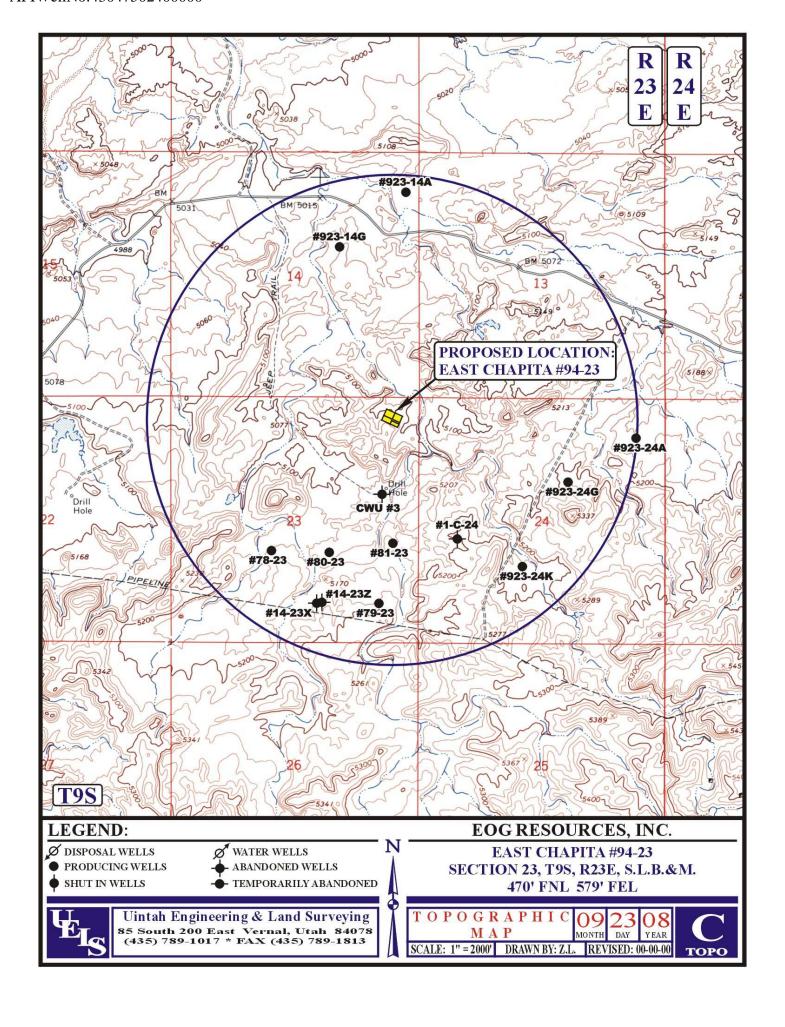
EOG RESOURCES, INC. EAST CHAPITA #94-23 SECTION 23, T9S, R23E, S.L.B.&M.

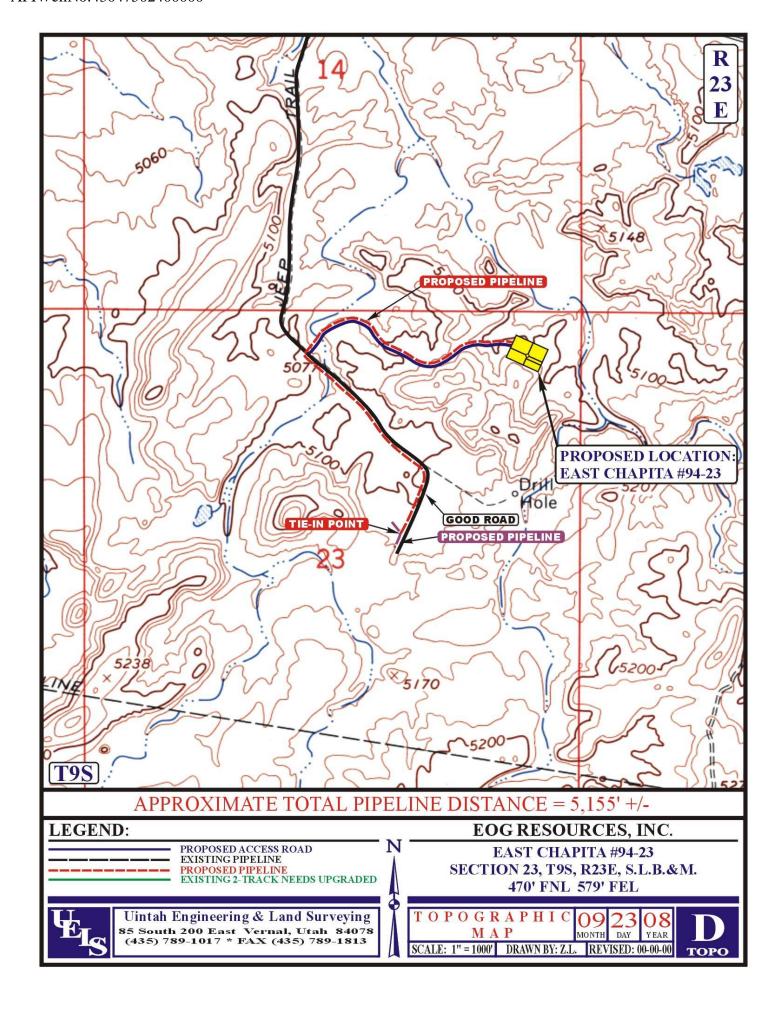
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATLEY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 4.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; AND PROCEED IN Α NORTHEASTERLY DIRECTION LEFT APPROXIMATLEY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATLEY 1.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 57.5 MILES.











East Chapita 94-23 NENE, Section 23, T9S, R23E Uintah County, Utah

SURFACE USE PLAN

The well pad is approximately 375 feet long with a 261-foot width, containing 2.25 acres more or less. The well access road is approximately 2640 feet long with a 30-foot right-of-way, disturbing approximately 1.82 acres. New surface disturbance associated with the well pad and access road is estimated to be 4.07 acres. The pipeline is approximately 5155 feet long with a 40-foot temporary right-of-way and an 8-foot permanent right-of-way disturbing approximately 4.73 acres.

1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 57.5 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 2640' in length, with one low water crossing needed prior to reaching the turnoff for the East Chapita 93-23, and culverts installed as construction dictates. See attached Topo B.
- B. The access road has a 30-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

- I. A 30-foot permanent right-of-way is requested. No surfacing material will be used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

An off-lease right-of-way is not required. The entire length of the proposed access road is located within Federal Lease U-67868.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. The length of the proposed pipeline is 5155' x 40'. The proposed pipeline leaves the western edge of the well pad (Lease U-67868) proceeding in a westerly, then southerly direction for an approximate distance of 5155' tieing into a proposed pipeline for the East Chapita 20-23 in the SWNE of Section 23, T9S, R23E (Lease U-67868). And APD for the East Chapita 20-23 was filed on 8/22/2008. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.
- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. An off-lease right-of-way is not required. The entire length of the proposed pipeline is located within Federal Lease U-67868.
- 7. The proposed pipeline route begins in the NENE of Section 23, Township 9S, Range 23E, proceeding westerly, then southerly for an approximate distance of 5155' to the SWNE of Section 23, Township 9S, Range 23E.
- 8. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon or Covert Green. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation ponds 1, 2, 3, 4, 5 or 6, Coyote Evaporation Ponds 1, 2, 3, or 4, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit, through natural or artificial methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with **double felt**, and a **20-millimeter** plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; polyswell or soil) will be used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

8. Ancillary Facilities:

None anticipated.

9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the south corner of the location. The flare pit will be located downwind of the prevailing wind direction on the southwest side of the location, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled

topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the west.

The corners of the well pad will be rounded off as needed to minimize excavation and keep fill out of the wash.

FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. Plans for Reclamation of the Surface:

A. Interim Reclamation (Producing Location)

EAST CHAPITA 94-23 Surface Use Plan

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

	Drilled Rate
Seed Mixture	(lbs./acre PLS*)
HyCrest Wheatgrass	5.0
Shadscale	4.0
Prostrate Kochia	3.0

^{*}Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

Seed Mixture	Drilled Rate (lbs./acre PLS*)
Wyoming Big Sage	1.0
Shadscale	4.0
Needle and Threadgrass	4.0
HyCrest Wheatgrass	2.0
Scarlet Globe Mallow	1.0

^{*}Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

Bureau of Land Management

12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
 - Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used.
 - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and will be submitted by Montgomery Archaeological Consultants. A paleontological survey was conducted and will be submitted by Intermountain Paleo.

Additional Surface Stipulations:

None.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

Mary A. Maestas EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

CERTIFICATION:

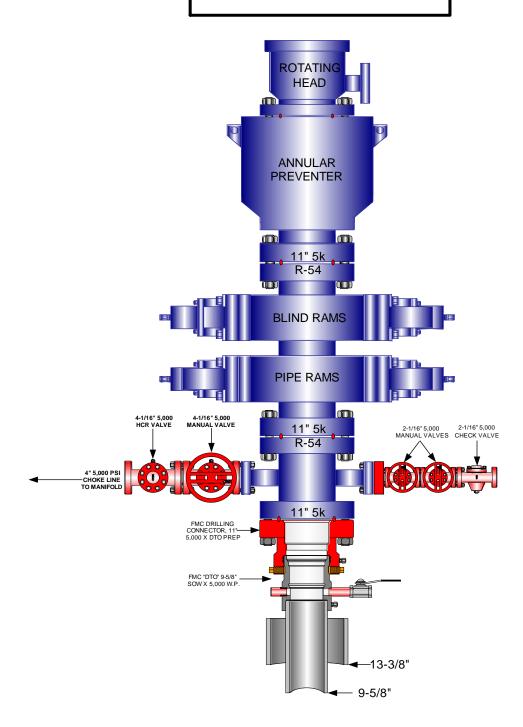
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the East Chapita 94-23 Well, located in the NENE, of Section 23, T9S, R23E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

December 4, 2008	
Date	Mary A. Maestas, Regulatory Assistant

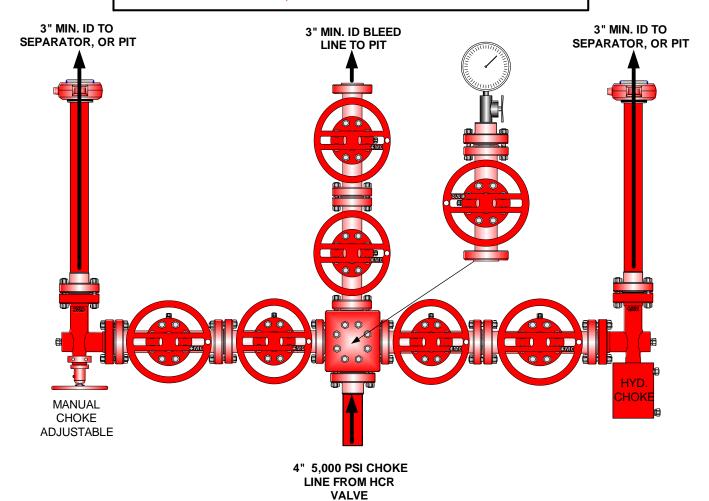
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



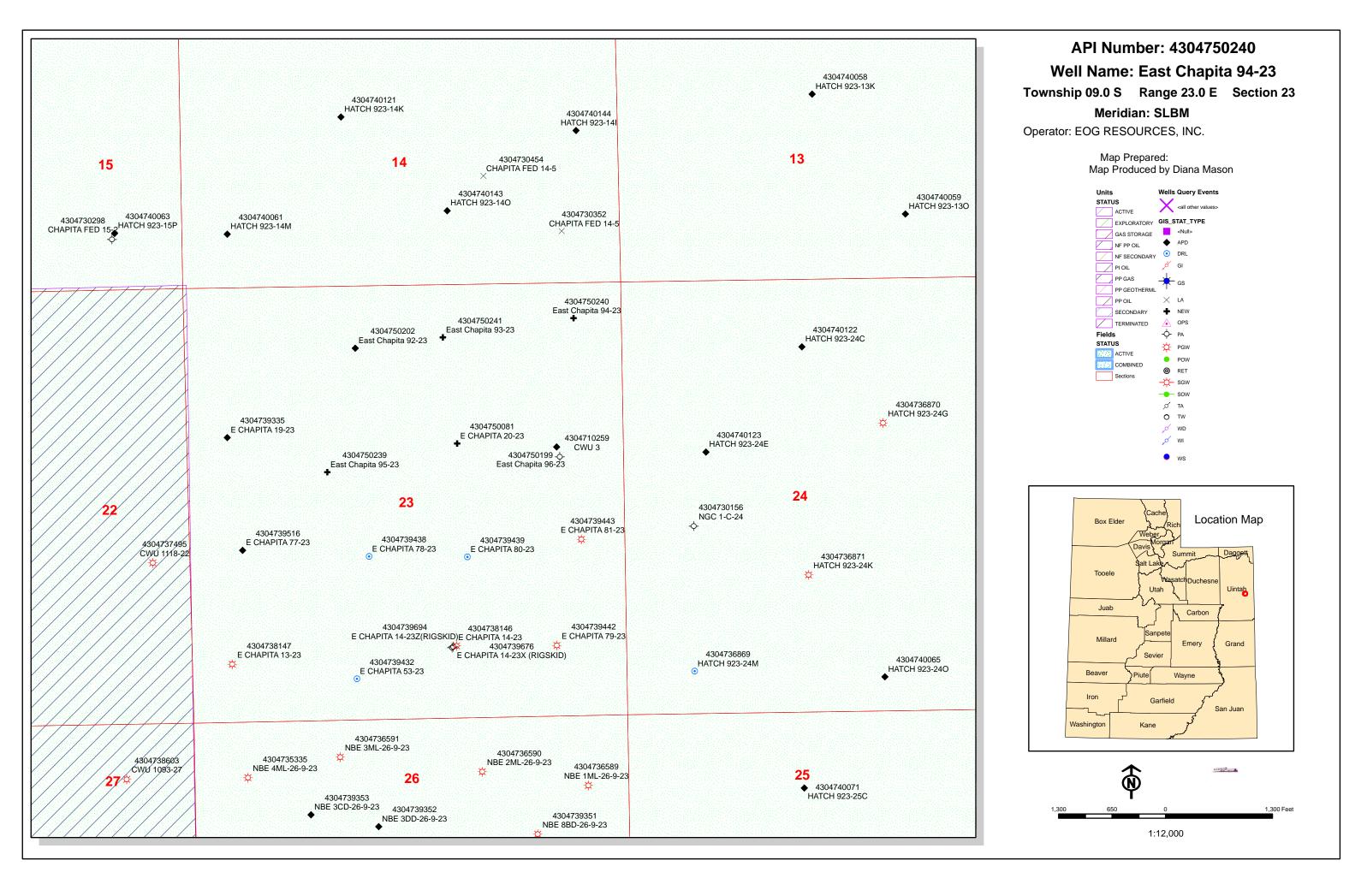
EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 0F 2



Testing Procedure:

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	12/4/2008	API NO. ASSIGNED:	43047502400000
	East Chapita 94-23		
	EOG Resources, Inc.	(N9550) PHONE NUMBER:	303 824-5526
CONTACT:	Mary Maestas		
PROPOSED LOCATION:	NENE 23 090S 230E	Permit Tech Review:	
SURFACE:	0470 FNL 0579 FEL	Engineering Review:	
воттом:	0470 FNL 0579 FEL	Geology Review:	
COUNTY:	UINTAH		
LATITUDE:	40.02746	LONGITUDE:	-109.28609
UTM SURF EASTINGS:	646248.00	NORTHINGS:	4432002.00
FIELD NAME:	NATURAL BUTTES		
LEASE TYPE:	1 - Federal		
LEASE NUMBER:	UTU67868	PROPOSED FORMATION:	PRRV
SURFACE OWNER:	1 - Federal	COALBED METHANE:	NO
ECEIVED AND/OR REVIEWE	 D:	LOCATION AND SITING:	
⊭ PLAT		R649-2-3.	
▶ Bond: FEDERAL - NM2308		Unit:	
Potash		R649-3-2. General	
Oil Shale 190-5			
Oil Shale 190-3		R649-3-3. Exception	
Oil Shale 190-13		✓ Drilling Unit	
✓ Water Permit: 49-225		Board Cause No: Cause 179-15	
RDCC Review:		Effective Date: 7/17/2008	
Fee Surface Agreement		Siting: 460' fr ext. lease boundary	
Intent to Commingle		R649-3-11. Directional Drill	
Comments: Presite Comp	leted		
Stipulations: 4 - Federal A	Approval - dmason		

API Well No: 43047502400000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: East Chapita 94-23 API Well Number: 43047502400000

Lease Number: UTU67868 Surface Owner: FEDERAL Approval Date: 12/23/2008

Issued to:

EOG Resources, Inc., 600 17th Street, Suite 1000 N, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-15.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

Notify the Division with 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

API Well No: 43047502400000

Approved By:

Gil Hunt

Associate Director, Oil & Gas

Die Hut

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES	
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU67868
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
. TYPE OF WELL OIL WELL GAS WELL 🗸 OTHER	8. WELL NAME and NUMBER: East Chapita 94-23
. NAME OF OPERATOR:	9. API NUMBER:
EOG Resources, Inc.	43-047-50240
ADDRESS OF OPERATOR: PHONE NUMBER: (303) 824-5526	10. FIELD AND POOL, OR WLDCAT: Natural Buttes/Wasatch/Mesaverde
600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202 (303) 824-5526	Tratalal Battees Washington
FOOTAGES AT SURFACE: 470' FNL & 579' FEL 40.027428 LAT 109.286808 LON	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 23 9S 23E S	STATE: UTAH
1. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	
RECOMPLETE - DIFFERENT FORMATION	
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	as etc
EOG Resources, Inc. requests authorization for commingling of production from the Wasatc referenced wellbore. In the event allocation of production is necessary, the allocation will be calculated from cased-hole logs. Production from the Wasatch and Mesaverde formations w and produced through open-ended 2-3/8" tubing landed below all perforations in the 4-1/2" p	based on proportionate net pay as ill be commingled in the wellbore
Attached is a map showing the location of all wells on contiguous oil and gas leases or drillir that this application has been provided to owners of all contiguous oil and gas leases or drilli	
	COPY SENT TO OPERATOR Date: 2-24-2009 Initials: KS
NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Assis	tant
SIGNATURE MAN A MONTA DATE 1/29/2009	
Accepted by the	RECEIVED
Utah Division of We have and Mining Federal Approval Of This	MECHIALD
Oil, Gas and Mining Federal Approval Of This Action is Necessary	FEB 0 2 2009
Date: 2/17/09	
2000) By: A Substitutions on Reverse Side)	DIV. OF OIL, GAS & MINING
4 (ause 179-15	

(5/2000)

STATE OF COLORADO)

) ss

COUNTY OF DENVER)

VERIFICATION

Mary A. Maestas, of lawful age, being first duly sworn upon oath, deposes and says:

She is a Regulatory Assistant of EOG Resources, Inc., of Denver, Colorado. EOG Resources, Inc. is the operator of the following described well:

EAST CHAPITA 94-23 470' FNL - 579' FEL (NENE) **SECTION 23, T9S, R23E UINTAH COUNTY, UTAH**

EOG Resources, Inc., and Kerr-McGee Oil & Gas Onshore LP, Exhibit A, are the only owners in the well and/or of all contiguous oil and gas leases or drilling units overlying the pool.

On the 29th day of January, 2009 she placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope, which contained these instruments, was addressed to the Utah Division of Oil, Gas & Mining, Bureau of Land Management, and Kerr-McGee Oil & Gas Onshore LP.

Further affiant saith not.

Regulatory Assistant

Subscribed and sworn before me this 29th day of January, 2009.

My Commission Expires:

April 12 2012



Exhibit "A" to Affidavit East Chapita 94-23 Application to Commingle

Kerr-McGee Oil & Gas Onshore LP 1099 18th Street, Suite 1200 Denver, Colorado 80202 Attn: Mr. W. Chris Latimer

R 23 E

14

13

U-01301

U-01301

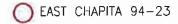
ECW 94-23

CWU 3-23

23

UTU-67868

UTU-8094024



Scale: 1"=1000' 1/4 1/2 Mile



Denver Division

EXHIBIT "A"

EAST CHAPITA 94-23 Commingling Application

Uintah County, Utah

Scole: D-terah/Comman stody EC94-23 poster and educing WELL

Jan 14, 2009 TLM 9:59am

Form 3160-3 (August 2007)

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

DEC 0 4 2008

APPLICATION FOR PERMIT TO DRILL OR REEDER M

Lease Serial No. UTU67868 6. If Indian, Allottee or Tribe Name

1a. Type of Work: DRILL REENTER		7. If Unit or CA Agreement, N	ame and No.	
lb. Type of Well: ☐ Oil Well Gas Well ☐ Oth	ner 🔀 Single Zone 🔲 Multiple Zone	8. Lease Name and Well No. EAST CHAPITA 94-23	<u> </u>	
	MARY A. MAESTAS aestas @eogresources.com	9. API Well No. 43 047 50	240	
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 303-824-5526	10. Field and Pool, or Explora NATURAL BUTTES		
4. Location of Well (Report location clearly and in accorda	nce with any State requirements.*)	11. Sec., T., R., M., or Blk. ar	d Survey or Area	
At surface NENE 470FNL 579FEL 40	Sec 23 T9S R23E Me	er SLB		
At proposed prod. zone NENE 470FNL 579FEL 40	.02743 N Lat, 109.28681 W Lon			
14. Distance in miles and direction from nearest town or post off 57.5 MILES SOUTH OF VERNAL, UT	ice*	12. County or Parish UINTAH	13. State UT	
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 	16. No. of Acres in Lease	17. Spacing Unit dedicated to	this well	
470' PROP/LSE LINE, 470' DRLG UNIT	1078.83	40.00		
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on fi	le	
completed, applied for, on this lease, ft. 2690'	8600 MD	8600 MD NM2308		
21. Elevations (Show whether DF, KB, RT, GL, etc. 5102 GL	22. Approximate date work will start	23. Estimated duration 45 DAYS		
	24. Attachments		·,	
The following, completed in accordance with the requirements of C	Onshore Oil and Gas Order No. 1, shall be attached to this	form:	•	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office 	n Lands, the e). Item 20 above). 5. Operator certification 6. Such other site specific info	ns unless covered by an existing be promation and/or plans as may be a	equired by the	
25. Signature (Electronic Submission)	Name (Printed/Typed) MARY A. MAESTAS Ph. 303-824-5520	3	Date 12/04/2008	
Title REGULATORY ASSISTANT				
Approved by (Synature)	Name (Printed/Typed) Teley Kevrels	AL	G ^{ate} 14 2009	
Title Assistant Field Manager Lands & Mineral Resources	VERNAL FIELD OFFICE			
Application approval does not warrant or certify the applicant hold operations thereon. Conditions of approval if any are attached.	IS legal or equitable title to those rights in the subject lease FAPPROVAL CONDITION	which would entitle the applicant NS OF APPROVAL AT	to conduct TACHED	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NOTICE OF APPROVAL

Additional Operator Remarks (see next page)

Conditions of approval, if any, are attached.

Electronic Submission #65257 verified by the BLM Well Information System
For EOG RESOURCES INC, sent to the Vernal
Committed to AFMSS for processing by CINDY SEVERSON on 12/04/2008 (09CXSDECED)

AUG 2 0 2009

DIV. OF OIL, GAS & MINING BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-440



170 South 500 East

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

EOG Resources Inc

Location:

NENE, Sec. 23, T9S, R23E

Well No:

East Chapita 94-23

Lease No:

UTU-67868

API No:

43-047-50240

Agreement:

N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	No. of the second second
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Cheryl Laroque	(435)781-4476	
NRS/Enviro Scientist	Chuck Macdonald	435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		Fax: (435) 781-3420	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction	-	Forty-Eight (48) hours prior to construction of location and
(Notify Environmental Scientist)		access roads.
Location Completion	-	Prior to moving on the drilling rig.
(Notify Environmental Scientist)		
Spud Notice	-	Twenty-Four (24) hours prior to spudding the well.
(Notify Petroleum Engineer)		
Casing String & Cementing	-	Twenty-Four (24) hours prior to running casing and cementing
(Notify Supv. Petroleum Tech.)		all casing strings.
BOP & Related Equipment Tests	-	Twenty-Four (24) hours prior to initiating pressure tests.
(Notify Supv. Petroleum Tech.)		
First Production Notice	-	Within Five (5) business days after new well begins or
(Notify Petroleum Engineer)	•	production resumes after well has been off production for more
		than ninety (90) days.

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

- Prevent fill and stock piles from entering drainages.
- The access road shall be crowned and ditched. Flat-bladed roads are not allowed.
- The authorized officer may prohibit surface disturbing activities during severe winter, wet, or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches, or gravel (from a private or commercial source) etc. shall be needed to control the erosion. Low-water crossings and culverts shall be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Bury pipelines at all low water crossings.
- Surface pipelines will be placed 5-10 feet outside of the borrow area.
- Surface pipelines will be placed in such a way that they will not wander into the borrow area.
- Pipelines will be buried at all major road and drainage crossings.
- The pit liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- The production casing cement shall extend a minimum of 200 feet above the surface casing shoe.
- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.

Variances Granted

Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors.
- Straight run blooie line. Variance granted for targeted "T's" at bends.
- Automatic igniter. Variance granted for igniter due to water mist.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - o Well name and number.
 - o Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior approval of
 the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
 approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
 of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

Page 7 of 7 Well: East Chapita 94-23 8/12/2009

• Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	IG	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868
SUNDI	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: East Chapita 94-23		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL		COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH: Qtr/Qtr: NENE Section: 23	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
EOG Resources, Inc. Plan as per the atta	□ ACIDIZE ✓ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION DMPLETED OPERATIONS. Clearly show all pertine respectfully requests authorization ched. Conductor size: Item 4 Flose see the attached revised Drillipurposed changes.	on to change the Drilling oat Equipment: Item 5 ng Plan reflecting the	Accepted by the Utah Division of Oil, Gas and Mining ate: November T8, 2009
NAME (DI FACE DOWN)	DUGUT WINDS		
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBER 435 781-9145	TITLE Operations Clerk	
SIGNATURE N/A		DATE 11/16/2009	

4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	Grade	Thread	Rating Collapse	<u>Factor</u> <u>Burst</u>	<u>Tensile</u>
Conductor	20"	40 - 60'	14"	32.5#	A252			1880 PSI	10,000#

5. Float Equipment:

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary object. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

8. EVALUATION PROGRAM:

Logs: Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the

following: CBL/CCL/VDL/GR

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,614		Shale	
Mahogany Oil Bed Shale	2,219		Shale	
Wasatch	4,399	Primary	Sandstone	Gas
Chapita Wells	4,955	Primary	Sandstone	Gas
Buck Canyon	5,659	Primary	Sandstone	Gas
North Horn	6,162	Primary	Sandstone	Gas
KMV Price River	6,350	Primary	Sandstone	Gas
KMV Price River Middle	7,138	Primary	Sandstone	Gas
KMV Price River Lower	7,898	Primary	Sandstone	Gas
Sego	8,397		Sandstone	
TD	8,600			

Estimated TD: 8,600' or 200'± below TD

Anticipated BHP: 4,696 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft \pm of the Green River Formation, with top at about 2,000 ft \pm .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	<u>Hole</u> Size	Length	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	<u>Tensile</u>
Conductor	20"	40 – 60'	14"	32.5#	A252			1880 PS1	10,000#
Surface	12 1/4"	0-2,300° KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	223,000#

Note: 12- $\frac{1}{4}$ " surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9- $\frac{1}{4}$ " as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of its. #2 and #3 then every 5th joint to surface. (15 total)

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. $4-\frac{1}{2}$ ", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary object. Thread lock float shoe, top and bottom of float collar, and top of 2^{nd} joint.

6. MUD PROGRAM

Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' \pm - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'±-TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 - Section E: Special Drilling Operations

- o EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, requiring during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by waster mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Logs: Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

CBL/CCL/VDL/GR

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI₂, 3 lb/sx GR3

1/4 #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCI₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2

gps water.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18

ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

Production Hole Procedure (2300'± - TD)

Lead: 115 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 826 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, $1.28 \text{ ft}^3/\text{sk.}$, 5.9 gps water.

Note: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to $200^{\circ}\pm$ above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to $400^{\circ}\pm$ above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 2300'±):

Lost circulation

Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

EAST CHAPITA 94-23 NE/NE, SEC. 23, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60° GL or 10°± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Cor	mpany:	E	OG RE	SOUR	CES INC			
Well Name	•		EAST C	HAPIT	A 94-23			
Api No:	43-047-5	50240		Le	ase Type:	FEDERAL		
Section 23	_Township_	09S	_Range_	23E	County	UIN	ГАН	
Drilling Cor	ntractor	CRAIG	'S ROU	STAB	OUT SERV	_RIG #_	BUCKET	
SPUDDE	D:							
	Date	12/1	1/2009					
	Time	8:00	AM					
	How	DR	Υ					
Drilling will Commence:								
Reported by KENT DAVENPORT								
Telephone #(435) 828-8200								
Date	12/14/2009	9_Sign	.ed	CHD				

	FORM 9			
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868	
SUND	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen e gged wells, or to drill horizontal laterals. Uso		7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: East Chapita 94-23	
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000	
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-911:	PHONE NUMBER: L Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL	COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 23		STATE: UTAH		
11.	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME	
12/15/2009	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
·	TUBING REPAIR	VENT OR FLARE	✓ WATER DISPOSAL	
DRILLING REPORT	□ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
Report Date:		_	1	
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
EOG Resources, Inc produced water at 550-30N SWD 3 1,2,3,4,5,6&7 5. Wh SWD	MPLETED OPERATIONS. Clearly show all pertic. Tespectfully requests authorized the following locations: 1. NBL and the following locations: 1. NBL and the following locations: 1. NBL and the following location are supported by the following location and the following location are supported by the following location and the following locations are supported by the following location and the following locations are supported by the following location and the following locations are supported by the following locations and the following locations are supported by the	ation for the disposal of J 20-20B SWD 2. CWU A Evaporation Ponds U 2 6. RNI Disposal 7. H ©	Accepted by the Utah Division of	
MAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBER 435 781-9145	Operations Clerk		
N/A		DATE 12/16/2009		

STATE OF UTAH

			EPARTMENT OF NATURA					FORM
			ENTITY ACTION	FORM				
Operator:	EOG R	esources, Inc.		Ope	erator Ac	count No	ımber: <u>1</u>	9550
Address:	1060 E	ast Highway 40		_				•
	city Ver	rnal		_				
	state U	Τ	_{zip} 84078	- · · ·	P	hone Nu	ımber: _(435) 781-9145
Well 1								
API Nu	mber	Well	Name	QQ	Sec	Twp	Rng	County
43-047-	50240	EAST CHAPITA 94-2	EAST CHAPITA 94-23		23	9S	23E	UINTAH
Action	Code	Current Entity Number	New Entity Number	s	pud Da	te	Entity Assignment Effective Date	
A		99999	17424	1	2/15/200	9	12/22/09	
Comment	s: was/ RRV	ATCH/MESAVERDE = MVRD =	WSMVD					
Well 2					77707000			
API Nu	mber_	Well	Name	QQ	Sec	Twp	Rng	County
43-047-	50241	EAST CHAPITA 93-2	3	NWNE	23	9S	23E	UINTAH
Action	Code	Current Entity Number	New Entity Number	s	Spud Date			ity Assignment ffective Date
А		99999	17425	12/16/2009 /2/22/09				

Comments:	WASATCH/MESA\	/CDDE	
\cap	MASA I CHIMESAI	/ERUE	
ν_{\wp}	QU=mU	20-1	USTNVO
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M	ío	.88	2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	S	pud Da	te		y Assignment fective Date
omments:							

ACTION CODES:

- A Establish new entity for new well (single well only)
- **B** Add new well to existing entity (group or unit well)
- **C** Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

DEC 17 2009

Title	Date
Operations Clerk	12/16/2009
Signature	
Name (Please Print) Whalmu (Jata)	
Mickenzie Gates	

(5/2000)

	STATE OF UTAH				FORM 9
	DEPARTMENT OF NATURAL RESOURD DIVISION OF OIL, GAS, AND MI		3	5.LEAS UTU6	E DESIGNATION AND SERIAL NUMBER: 7868
	RY NOTICES AND REPORTS		_	6. IF II	NDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propo- bottom-hole depth, reenter plu DRILL form for such proposals	sals to drill new wells, significantly deepe ıgged wells, or to drill horizontal laterals.	n exist Use Al	ing wells below current PPLICATION FOR PERMIT TO	7.UNIT	or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well					L NAME and NUMBER: Chapita 94-23
2. NAME OF OPERATOR: EOG Resources, Inc.					NUMBER: 7502400000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9		PHONE NUMBER: ext	1 -	.D and POOL or WILDCAT: RAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL	TO DANCE MEDITIAN			COUNT UINTA	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 23	Township: 09.0S Range: 23.0E Meridian:	: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION OMPLETED OPERATIONS. Clearly show all particles of the company of the com	((((((((((.6/2009 to 12/31/2009 O i	volumes,). Accep Utah II, Gas	change well name convert well type new construction plug back recomplete different formation temporary abandon water disposal apd extension ser: etc. cted by the Division of and Mining ECORDO ONLY
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBE 435 781-9145	R	TITLE Operations Clerk		
SIGNATURE N/A			DATE 12/31/2009		

	STATE OF UTAH				FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		3	5.LEAS UTU6	EE DESIGNATION AND SERIAL NUMBER: 7868
	RY NOTICES AND REPORTS			6. IF I	NDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propo- bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.	n exist Use Al	ting wells below current PPLICATION FOR PERMIT TO	7.UNI	or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well					L NAME and NUMBER: Chapita 94-23
2. NAME OF OPERATOR: EOG Resources, Inc.					NUMBER: 7502400000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9		PHONE NUMBER: Ext		.D and POOL or WILDCAT: RAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:			UINT	AH
	Township: 09.0S Range: 23.0E Meridian:	S		STATE UTAH	
CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT	OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
NOTICE OF INTENT Approximate date work will start: SUBSEQUENT REPORT Date of Work Completion: SPUD REPORT Date of Spud: ✓ DRILLING REPORT Report Date: 2/2/2010	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION		CHANGE TUBING COMMINGLE PRODUCING FORMATIONS FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL SITE SIDETRACK TO REPAIR WELL VENT OR FLARE SI TA STATUS EXTENSION OTHER		CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION HER:
Please see the at	MPLETED OPERATIONS. Clearly show all pertached well chronology reporshowing all activity up to 2/2	t for :/201	the referenced well 10.	Accer Utah il, Gas	oted by the Division of s and Mining ECORD ONLY
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBE 435 781-9145	R	TITLE Operations Clerk		
SIGNATURE N/A			DATE 2/2/2010		

-	ts: Drilling	\$0			pletion	\$0		-	Total	\$0	
	sts: Drilling	\$75,00			pletion	\$0		Well		\$75,000	
MD	0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio			PBTD : 0	0.0		Perf:			PKR De	pth: 0.0	
		me: BUILD L									
Start	End		ivity Desc	=	CEL ON	tond in					
06:00	06:00			P COMPLETE.	GEL ON I	MONDAY.					
12-14-20		eported By	11	ERRY CSERE		40				Φ0	
-	ts: Drilling	\$0 \$75.00	00		pletion	\$0 \$0		-	Total	\$0 \$75,000	
	sts: Drilling	\$75,00			pletion		0	Well			0.0
MD	0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio			PBTD: 0	0.0		Perf:			PKR De	oth: 0.0	
-	_	me: BUILD L									
Start 06:00	End 06:00		ivity Desc	EL TO CLOSED	I OOD SV	STEM					
12-15-20		ported By		ERRY CSERE	LOOI 51	STEM.					
		\$0	11		mlotion	\$0		Dalle	Total	\$0	
-	ts: Drilling	\$75,00	00		pletion pletion	\$0 \$0		Well	Total	\$75,000	
MD	0	TVD			_		0		0.0	Visc	0.0
MID Formatio			0 PBTD: 0	Progress	0	Days Perf:	0	MW			0.0
		me: BUILD L		1.0		ren:			PKR De	pun : 0.0	
Start	End		ivity Desc	wintion							
06:00	06:00		=	COMPLETE.							
12-16-20		ported By		ENT DEVENPO	RT						
	ts: Drilling	\$0			pletion	\$0		Daily	Total	\$0	
-	sts: Drilling	\$75,00	00		pletion	\$0		Well		\$75,000	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio		110	PBTD : 0	_	Ü	Perf:	Ü	171 77	PKR De		0.0
		me: WO AIR				1011.				Juli 1 0.0	
Start	End		ivity Desc	rintion							
06:00	06:00	24.0 CRA	AIGS ROUS MENT TO S	STABOUT SERV SURFACE WITH S NOTIFIED BY	READY	MIX. CAROL	DANIELS '	W/UDOGM V			
01-11-20)10 Re	ported By	D.	AVID BRINKER	HOFF						
	ts: Drilling	\$208,5	557	Com	pletion	\$0		Dailv	Total	\$208,557	
•	sts: Drilling	\$283,5			pletion	\$0		Well		\$283,557	
MD	2,401	TVD	2,401	Progress	0	Days	0	MW	0.0	Visc	0.0
MID			DDTD . o	O		Perf:			PKR De		
	n:		PBTD : 0	0.0		ren:			IKKDC	7111 . 0.0	
Formatio	on : at Report Ti		РВІD: 0	0		ren:			I KK DC	ptii : 0.0	

Well Name: ECW 094–23 Field: CHAPITA DEEP Property: 064249

06:00 06:00

24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2009. DRILLED 12–1/4" HOLE TO 2382' GL (2401' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO TD AND DISPLACED WITH PRODUCTION WATER. RAN 59 JTS (2368.58') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2387.58' KB. RDMO CRAIGS RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 300 BBLS FRESH WATER & 0 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: 250 SACKS (183 BBLS) OF PREMIUM CEMENT W/ 0.2% VARSET, 2% CALSEAL, & 2% EX-1. 10.5 PPG, YIELD 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/180 BBLS FRESH WATER. BUMPED PLUG W/120# @ 11:00, 12/22/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 6 HOURS.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 4 HOURS.

TOP JOB # 3: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 2 TOOK SURVEYS WHILE DRILLING HOLE @ 1450' = 1.25 DEGREE, 2050' = 1.75 DEGREE AND 2320' = 2.5 DEGREE.

DAVID BRINKERHOFF NOTIFIED JAMIE SPARGER W/ BLM OF THE SURFACE CASING & CEMENT JOB ON 12/21/2009 @ 03:00 AM. AND CAROL DANIELS W/ UDOGM.

01-18-2010	R	eported By	D	AVID GREESON	1						
DailyCosts: I	Orilling	\$71,627		Com	pletion	\$0		Daily	Total	\$71,627	
Cum Costs: 1	Drilling	\$355,184		Com	pletion	\$0		Well '	Fotal	\$355,184	
MD	2,401	TVD	2,401	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:		P	BTD: 0	0.0		Perf:			PKR De _I	oth: 0.0	

Activity at Report Time: RURT

Start	End	Hrs	Activity 1	Description

07:00 06:00

23.0 RELEASE RIG FROM THE ECW 96–23 AT 06:00 1/17/10. MOVE RIG FROM THE ECW 96–23 TO THE ECW 94–23.

1.1 MILE RIG MOVE. RW JONES TRUCKING BEGAN RIG MOVE AT 07:00 1/17/10 AND RIG WAS 100% MOVED IN BY 18:00 1/17/10.

TRANSFERRED 2736 GL. FUEL AND 8 JT'S (342.07) 4.5" N-80, 11.6# PROD. CSG FROM THE ECW 96-23. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 94-23 SCHEDULED FOR 1/18/10 AT 11:00 AM. 2 FULL CREWS + 4 MEN, NO INCIDENTS OR ACCIDENTS REPORTED.

SAFETY MEETING TOPICS: RIG MOVE SAFETY

01-19-2010	Reported By	DAVID	GREESON			
DailyCosts: Drilli	ng \$48,	068	Completion	\$0	Daily Total	\$48,068
Cum Costs: Drilli	ing \$403	3,252	Completion	\$0	Well Total	\$403,252

Well Name: ECW 094–23 Field: CHAPITA DEEP Property: 064249

MD 3,150 **TVD** 3,150 739 MW9.0 33.0 **Progress Davs** Visc Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 3,150 Start End **Activity Description** 06:00 5.0 MOVE RIG FROM THE ECW 96-23 TO THE ECW 94-23. 1.1 MILE RIG MOVE. 11:00 TRANSFERRED 2736 GL. FUEL AND 8 JT'S (342.07') 4.5" N-80, 11.6# PROD. CSG TO THE ECW 94-23. 3.5 RIG ACCEPTED ON DAYWORK AT 11:00 HRS 1/18/10. RIG UP B&C QUICKTEST. TEST BOP AS FOLLOWS: 11:00 14:30 TESTED UPPER & LOWER KELLY VALVES, SAFETY VALVE, DART VALVE, PIPE RAMS, BLIND RAMS, INSIDE & OUTSIDE KILL LINE VALVES, HCR, CHOKE LINE AND MANIFOLD VALVES TO 250 PSI/5 MIN LOW, 5000 PSI/10 MIN HIGH. TESTED ANNULAR TO 250 PSI 5 MIN LOW, 2500 PSI 10 MIN HIGH. TESTED SUPER CHOKE TO 500 PSI 3 MIN. ALL TESTS GOOD, NO LEAKS. 14:30 15:00 0.5 TESTED CASING TO 1500 PSI FOR 30 MIN. TEST HELD. RD B&C QUICKTEST. 0.5 HELD SAFETY MEETING OVER PU BHA AND DP W/ ALL ON LOCATION PRESENT. RU WEATHERFORD LD 15:30 15:00 MACHINE. INSTALL WEAR BUSHING. 2.5 PU BHA #1 AND DRILL PIPE W/ WEATHERFORD LD MACHINE. TAG AT 2347'. RD LD MACHINE. 15:30 18:00 3.0 DRILL CEMENT, FLOAT EQUIPMENT (SHOE @ 2388') AND 10 FT OPEN HOLE PAST OLD HOLE TO 2411'. SPOT 18:00 21:00 50 BBL HIGH VIS PILL FOR F.I.T. TEST. 21:00 21:30 0.5 PULL UP INTO CASING AND CONDUCT FORMATION INTEGRITY TEST @ 2380 W/A 8.9 PPG MUD TO 275 PSI = 11.1 EMW. TEST HELD. 0.5 SPUD PROD. HOLE @ 21:30 ON 1/18/10. DRILL F/ 2411' TO 2470' (59') 118' FPH. WOB 14-18K, RPM 45, MM RPM 21:30 22:00 67. 120 STK. ON #1 PUMP, 419 GPM. MUD WT. 8.9, VIS 31. DRILLING MAHOGANY OIL SHALE AT 2232'. 22:30 0.5 SURVEY @ 2392', 2.1 DEGREES. 22:00 22:30 06:00 7.5 DRILL F/ 2470' TO 3150' (680') 91' FPH. WOB 15–18K, RPM 45, MM RPM 67. 120 STK. ON #1 PUMP, 419 GPM. MUD WT. 9.0, VIS 33. DRILLING MAHOGANY OIL SHALE AT 2232'. FULL CREWS, NO INCIDENTS OR ACCIDENTS REPORTED. SAFETY MEETING TOPICS: PRESSURE TESTING BOP/ PU BHA SAFELY. FUNCTION COM DRILLING. FUNCTION BOP AND CHOKE. FUEL RECIEVED 8000 GL. FUEL ON HAND 9000 GL, USED 1736 GL. BOILER 24 HR'S. 06:00 SPUD A 7 7/8" PROD HOLE @ 21:30 HOURS ON 1/18/10. DAVID GREESON 01-20-2010 Reported By \$34,578 **Daily Total** \$34,578 DailyCosts: Drilling Completion \$0 **Cum Costs: Drilling** \$437,831 Completion \$0 Well Total \$437,831 MD 5,285 **TVD** 5,285 2,135 2 MW99 37.0 **Progress Days** Visc **PBTD**: 0.0 PKR Depth: 0.0 **Formation:** Perf: Activity at Report Time: DRILLING @ 5,285'

MUD WT. 9.3, VIS 34. DRILLING MAHOGANY OIL SHALE AT 2,232'.

Start

06:00

09:30

10:00

10:30

End

09:30

10:00

10:30

19:00

Hrs

Activity Description

0.5 SERVICE RIG. FUNCTION COM DRILLING.

0.5 SURVEY @ 3490. 2.39 DEGREES.

3.5 DRILL F/ 3150' TO 3571' (421') 120' FPH. WOB 15–18K, RPM 45, MM RPM 70. 125 STK. ON #1 PUMP, 436 GPM.

8.5 DRILL F/ 3571' TO 4416' (845') 99' FPH. WOB 15–18K, RPM 45, MM RPM 70 (0.16 RPG). 125 STK. ON #1 PUMP, 436 GPM. MUD WT. 9.5, VIS 36. DRILLING MAHOGANY OIL SHALE AT 2,232' AND WASATCH @ 4,414'.

19:00	19:30	0.5	SURVEY @ 4,3	38'. 1.86 DEG	REES						
19:30	06:00		DRILL F/ 4416			WOB 15-1	8K. RPM 45.	MM RPM 70) (0.16 RPG).	125 STK. ON #	#1 PUMP.
			436 GPM. MU	`	*						,
			FULL CREWS,	NO INCIDEN	TS OR AC	CIDENTS R	EPORTED. F	UNCTION C	COM DRILLI	NG.	
			SAFETY MEET	ΓING TOPICS:	STEAM L	INES/ INST	ALLING ROT	ATING HEA	AD.		
			FUEL ON HAN	ID 7182 GL, U	SED 1818 (GL. BOILE	R 24 HR'S.				
01-21-20	10 R	eported	By DA	AVID GREESC	N						
DailyCost	ts: Drilling	\$	538,514	Cor	mpletion	\$0		Dail	y Total	\$38,514	
Cum Cos	ts: Drilling	\$	6476,346	Cor	mpletion	\$0		Well	Total	\$476,346	
MD	6,560	TVD	6,560	Progress	1,275	Days	3	MW	11.0	Visc	38.0
Formatio	n:		PBTD : 0	.0		Perf:			PKR De	pth : 0.0	
Activity a	t Report Ti	me: DRI	LLING@ 6,560'								
Start	End	Hrs	Activity Desc	ription							
06:00	14:00	8.0	DRILL F/ 5285 419 GPM. MU		,				, ,		
14:00	14:30	0.5	SERVICE RIG.	FUNCTION C	OM DRILI	LING.					
14:30	06:00	15.5	DRILL F/ 5840	'TO 6560' (720)') 47' FPH	WOB 18-2	0K, RPM 45,	MM RPM 6	7 (0.16 RPG).	120 STK. ON #	#1 PUMP,
			419 GPM. MU	D W 1. 11.0, VI	.S 38. DKII	LLING NOR	IH HOKN @	0,102 , PKI	CE KIVEK @	0,304 .	
			FULL CREWS,	ONE INCIDE	NT REPOR	TED: PINCI	HED FINGER				
			FUNCTION CO	OM DRILLING	. HELD BO	OP DRILL 90	SECONDS.				
			SAFETY MEET	ΓING TOPICS:	BLOW OU	T PREVEN	TION/ ROTA	RY TABLE S	SAFETY.		
			FUEL ON HAN	ID 5000 GL, U	SED 2182 (GL. BOILE	R 24 HR'S.				
01-22-20	10 Re	eported	By DA	AVID GREESC	N						
DailyCost	ts: Drilling	\$	521,235	Cor	mpletion	\$0		Dail	y Total	\$21,235	
Cum Cos	ts: Drilling	\$	5497,582	Cor	mpletion	\$0		Well	Total	\$497,582	
MD	7,570	TVD	7,570	Progress	1,010	Days	4	MW	11.4	Visc	38.0
Formatio	n:		PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: DRI	LLING @ 7570'								
Start	End	Hrs	Activity Desc	ription							
06:00	10:30	4.5	DRILL F/ 6560 GPM. MUD W						(0.16 RPG).	120 STK. ON #	1 PUMP, 419
10:30	11:00	0.5	SERVICE RIG.	FUNCTION C	OM DRILI	ING					
11:00	06:00	19.0	DRILL F/ 6790 GPM. MUD W								PUMP, 419
			EIII I CDEWG	NO ACCIDEN	TTC OD DAY	TIDENTE D	EDODTED				
			FULL CREWS, FUNCTION CO								
			SAFETY MEET					TS			
			FUEL ON HAN					15			
01-23-20	10 R	eported		AVID GREESC		ZOILLI					
	ts: Drilling	_	637,929		mpletion	\$5,806		Dail	y Total	\$43,735	
-	ts: Drilling		6535,511		_	\$5,806			Total	\$541,317	
Cum Cos	is. Drilling	4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Col	mpletion	Ψ2,600		vven	าบเลา	φυτ1,υ11	

	8,340	TVD	8,340	Progress	770	Days	5	MW	11.6	Visc	38.0
Formation	1:		PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: DRII	LLING @ 8,340°	,							
Start	End	Hrs	Activity Desc	ription							
06:00	14:00		DRILL F/ 7570	=	•						1 PUMP, 419
14:00	14:30	0.5	SERVICE RIG.	FUNCTION CO	OM DRILL	ING.					
14:30	06:00	15.5	DRILL F/ 7915 419 GPM. MU	' TO 8340' (425' D WT. 11.6, VIS	*						1 PUMP,
			FULL CREWS	, NO ACCIDEN	TS OR INC	CIDENTS REPO	ORTED				
			FUNCTION CO	OM DRILLING.	HELD BC	P DRILL 90 SI	ECONDS.				
			SAFETY MEE	TING TOPIC: H	OISTED A	ROUND KELI	LY/ FORK	LIFT SAFE	ΓY.		
			FUEL RECIEV	ED 3500 GL. O	N HAND 4	332 GL, USED	2132 GL.	BOILER 2	4 HR'S.		
01-24-20	10 Re	ported l	By DA	AVID GREESON	N						
DailyCost	s: Drilling	\$	24,018	Com	pletion	\$766		Dail	y Total	\$24,785	
-	s: Drilling	\$	559,530	Com	pletion	\$6,572		Wel	l Total	\$566,103	
MD	8,600	TVD	8,600	Progress	260	Days	6	MW	11.5	Visc	37.0
Formation	1:		PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: LD I	DP								
Start	End	Hrs	Activity Desc	ription							
06:00	14:00	8.0	DRILL F/ 8340	•	*				,		1 PUMP,
06:00 14:00	14:00 14:30		DRILL F/ 8340	' TO 8570' (230' D WT. 11.6, VIS	*				,		1 PUMP,
		0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570	' TO 8570' (230' D WT. 11.6, VIS	15' FPH. V	LING LOWER WOB 18–22K,	PRICE RI RPM 45, N	VER 7,910' MM RPM 67	SEGO 8,432' (0.16 RPG). 1	20 STK. ON #1	PUMP, 419
14:00	14:30	0.5 2.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W	'TO 8570' (230' D WT. 11.6, VIS 'TO 8600' (30') 'T. 11.6, VIS 38.	338. DRIL 15' FPH. V DRILLING	LING LOWER WOB 18–22K, G LOWER PRI	PRICE RI RPM 45, N	VER 7,910' MM RPM 67	SEGO 8,432' (0.16 RPG). 1	20 STK. ON #1	PUMP, 419
14:00 14:30	14:30 16:30	0.5 2.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10.	'TO 8570' (230') D WT. 11.6, VIS 'TO 8600' (30') 'T. 11.6, VIS 38.	338. DRIL 15' FPH. V DRILLING	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, N CE RIVEF	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
14:00 14:30	14:30 16:30	0.5 2.0 1.0 4.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10.	'TO 8570' (230' D WT. 11.6, VIS 'TO 8600' (30') 'T. 11.6, VIS 38.	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, N CE RIVEF	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
14:00 14:30 16:30 17:30	14:30 16:30 17:30 21:30	0.5 2.0 1.0 4.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6	"TO 8570' (230' D WT. 11.6, VIS 'TO 8600' (30') TT. 11.6, VIS 38. GOTTOMS UP B 66 STANDS TO STA	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, N CE RIVEF	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
14:00 14:30 16:30 17:30	14:30 16:30 17:30 21:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOTO NO FILL OR T CIRCULATE B	"TO 8570' (230' D WT. 11.6, VIS 'TO 8600' (30') T. 11.6, VIS 38. GOTTOMS UP B 66 STANDS TO STOM F/ 8542' TIGHT SPOTS	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600'	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238	PRICE RI RPM 45, M CE RIVER	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOTO NO FILL OR T CIRCULATE B	"TO 8570" (230" D WT. 11.6, VIS "TO 8600" (30") "T. 11.6, VIS 38. "OTTOMS UP B "G6 STANDS TO S "TOM F/ 8542" " "IGHT SPOTS "OTTOMS UP, R VER SAFE LAY	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR	WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238' ANKS LD MARACTICES.	PRICE RI RPM 45, M CE RIVER	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP	"TO 8570" (230" D WT. 11.6, VIS "TO 8600" (30") "T. 11.6, VIS 38. GOTTOMS UP B G6 STANDS TO S TTOM F/ 8542" IGHT SPOTS GOTTOMS UP, R VER SAFE LAY E & BHA. BRE , NO ACCIDEN"	15' FPH. V DRILLING DEFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY	WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MARACTICES.	PRICE RI RPM 45, M CE RIVER 7' AND TR	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP	TO 8570' (230' D WT. 11.6, VIS ' TO 8600' (30') TO 11.6, VIS 38. GOTTOMS UP B 66 STANDS TO 3 TTOM F/ 8542' TO 11.6 TTOM SUP, REVER SAFE LAY E & BHA. BREAD TO SUP, NO ACCIDENT OM DRILLING AND DRILLING AND TO SUP REVER SAFE LAY E AND ACCIDENT OM DRILLING AND TO SUP REVER SAFE LAY E & BHA. BREAD TO SUP REVER	15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAR ACTICES. CIDENTS REPO	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOO NO FILL OR T CIRCULATE B LOCATION OV LD DRILL PIP	TO 8570' (230' D WT. 11.6, VIS O WT. 11.6, VIS	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR ING AND TRIF	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238; ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/ LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30 22:00 23:30	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS FUNCTION CO SAFETY MEE FUEL ON HAN	TO 8570' (230' D WT. 11.6, VIS ' TO 8600' (30') TO 11.6, VIS 38. GOTTOMS UP B 66 STANDS TO 3 TTOM F/ 8542' TO 11.6 TTOM SUP, REVER SAFE LAY E & BHA. BREAD TO SUP, NO ACCIDENT OM DRILLING AND DRILLING AND TO SUP REVER SAFE LAY E AND ACCIDENT OM DRILLING AND TO SUP REVER SAFE LAY E & BHA. BREAD TO SUP REVER	238. DRIL 25' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238; ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/ LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910' MM RPM 67 R 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30 22:00 23:30	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS. FUNCTION CO SAFETY MEE FUEL ON HAN By DA	TO 8570' (230' D WT. 11.6, VIS O WT. 11.6, VIS	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP SED 1832 C	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238' ANKS LD MARACTICES. C. CIDENTS REPOPING DE/LD MACHI GL. BOILER 2	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910' MM RPM 67 R 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30 22:00 23:30 01–25–20 DailyCost	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS FUNCTION CO SAFETY MEE FUEL ON HAN	TO 8570' (230' D WT. 11.6, VIS D WT. 11.6, VIS D WT. 11.6, VIS 38. TO 8600' (30') T. 11.6, VIS 38. TO 8600' (30') T. 11.6, VIS 38. TO 8500 F WE SAFE LAY TO SET TOM F & SAFE LAY E & BHA. BREAT D WE WE SAFE LAY D WE	238. DRIL 25° FPH. V DRILLING EFORE SI SURFACE TO 8600° RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP SED 1832 C	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238; ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/ LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910' MM RPM 67 R 7,910', SEC EIP BACK T ELD SAFET	y Total	20 STK. ON #1 ACHED TD AT	PUMP, 419
14:00 14:30 16:30 17:30 21:30 22:00 23:30 01–25–20 DailyCost	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION OV LD DRILL PIP. FULL CREWS FUNCTION CO SAFETY MEET FUEL ON HAM By DA 440,320	TO 8570' (230' D WT. 11.6, VIS D WT. 11.6, VIS D WT. 11.6, VIS 38. TO 8600' (30') T. 11.6, VIS 38. TO 8600' (30') T. 11.6, VIS 38. TO 8500 F WE SAFE LAY TO SET TOM F & SAFE LAY E & BHA. BREAT D WE WE SAFE LAY D WE	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP SED 1832 C	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAC ACTICES. CIDENTS REPO PING E/ LD MACHI GL. BOILER 2: \$161,806	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910' MM RPM 67 R 7,910', SEC EIP BACK T ELD SAFET	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT WITH ALL ON	PUMP, 419

Activity at Report Time: RDRT/WO COMPLETION

Start	End	Hrs	Activity Description
06:00	06:30	0.5	LD BHA, BREAK KELLY, BREAK OFF BIT AND LD ROLLER REAMERS.
06:30	07:00	0.5	PULL WEAR BUSHING.
07:00	08:00	1.0	RU FRANKS WESTATES CASING TOOLS, HELD SAFETY MEETING W/ ALL ON LOCATION OVER SAFE CASING RUNNING.
08:00	13:00	5.0	RAN 200 JT'S. 4 1/2", 11.6#, N -80 , LTC CASING AS FOLLOWS: FLOAT SHOE @ 8599', 1 JT CSG, FLOAT COLLAR @ 8555', 51 JTS CSG, MARKER JOINT @ 6340', 55 JTS CSG., MJ @ 3997', 93 JTS CSG AND A 10' PUP JT TO GROUND LEVEL. PU JT. #201 OF CSG AND TAGGED BOTTOM. LD TAG JT., PU LANDING JT WITH CASING HANGER AND DTO FLUTED HEAD. LANDED CASING HANGER W/ 75,000# RESTING STRING WT.
13:00	14:30	1.5	RD FRANKS WESTATES CASING AND LD MACHINE TOOLS. RU HALLIBURTON CEMENTERS TOOLS. HELD SAFETY MEETING OVER SAFE CEMENTING PRACTICES.
14:30	17:30	3.0	PRESSURE TEST LINES TO 5000 PSI, CEMENT PROD. CASING AS FOLLOWS: DROP BOTTOM PLUG, PUMP 20 BBLS MUD FLUSH, 20 BBLS FRESH WATER, MIX AND PUMP 390 SX LEAD CEMENT (127.8 BBL) @ 12.0 PPG, 1.84 YLD, H2O 9.86 GAL/SK. MIX AND PUMP 1215 SX (318 BBLS) TAIL CEMENT @ 13.5 PPG, 1.47 YLD, H2O 6.98 GAL/SK. WASH UP TO PIT, DROP TOP PLUG AND DISPLACE W/ 132.6 BBLS H2O. FULL RETURNS. NO CEMENT TO SURFACCE. MAX OPERATING PRESSURE 2215 PSI, BUMPED PLUG TO 3840 PSI MAX. HELD PRESSURE FOR 1 MINUTE. BLED BACK 2 BBLS, FLOAT HELD.
17:30	19:00	1.5	RD HALLIBURTON CEMENTING TOOLS. HELD CEMENTING HEAD IN PLACE FOR ONE HOUR BEFORE REMOVING.
19:00	20:00	1.0	SET PACK OFF RING ON DTO HANGER W/ FMC TECH. HAND. TEST TO 5K PSI. TEST HELD.
20:00	22:00	2.0	ND BOP, CHOKE MANIFOLD, FLOWLINE AND CLEAN MUD TANKS W/ BADGER R&R SUPER–VAC TRUCKS.
22:00	06:00	8.0	RIG DOWN ROTARY TOOL. MOVE RIG FROM THE ECW 94–23 TO THE ECW 93–23, 0.3 MILES.
			RW JONES TRUCKING SET TO BEGIN RIG MOVE AT 07:00 1/25/10. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 93–23 SCHEDULED FOR 1/25/10 AT 22:00 PM.
			TRANSFERRING 2500 GL DIESEL FUEL, 212.07' OF 4.5" 11.6# N -80 LTC CASING AND 20.06' P -110 11.6# MARKER JOINT TO THE ECW 93 -23 .
			RELEASE RIG AT 21:00 1/24/10.
			FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED.
			SAFETY MEETING TOPIC: RUNNING CASING/ CEMENTING SAFETY.
			FUEL RECEIVED 1200 GL. ON HAND 2500 GL, USED 1192 GL. BOILER 24 HR'S.
06:00			RIG RELEASE @ 22:00 HRS, 1/24/10.
			CASING POINT COST \$599,851

	STATE OF UTAH		FORM 9				
	5.LEASE DESIGNATION AND SERIAL NUMBER:						
	UTU67868						
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: East Chapita 94-23				
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000				
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9	PHONE NUMBER: 0111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 23	IP, RANGE, MERIDIAN: Township: 09.0S Range: 23.0E Meridian:	S	STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME				
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATION	S CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
,	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL				
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
3/2/2010	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see the attached well chronology report for the referenced well showing all activity up to 3/2/2010. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY FOR RECORD ONLY							
MAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBE 435 781-9145	Operations Clerk					
SIGNATURE N/A		DATE 3/2/2010	DATE 3/2/2010				

Well Name: ECW 094–23 Field: CHAPITA DEEP Property: 064249

DailyCosts: Drilling \$0 Completion \$1,693 **Daily Total** \$1,693 **Cum Costs: Drilling** \$605.687 \$206,372 Well Total \$812,059 Completion 8,600 8,600 0 Days MW0.0 0.0 MD **TVD Progress** Visc Formation: **PBTD**: 8555.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

02-25-2010 Reported By **MCCURDY** DailyCosts: Drilling \$0 Completion \$1,921 **Daily Total** \$1,921 **Cum Costs: Drilling** \$605,687 Completion \$208,293 Well Total \$813,980 8,600 8,600 0 10 0.0 0.0 MD **TVD** MW Visc **Progress** Days **Formation:** MESAVERDE **PBTD**: 8555.0 Perf: 7285'-8439' PKR Depth: 0.0

Activity at Report Time: FRAC STAGES 6 THROUGH 11

Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CUTTERS WIRELINE & PERFORATE LPR FROM 8220'-21', 8231'-32', 8239'-40', 8246'-47', 8266'-67', 8270'-71', 8346'-47', 8365'-67', 8371'-72', 8376'-78', 8408'-09', 8438'-39' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7390 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 32557 GAL 16# DELTA 200 W/114200# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 6190 PSIG. MTR 53.3 BPM. ATP 4702 PSIG. ATR 51.3 BPM. ISIP 2744 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8196'. PERFORATE LPR FROM 8012'-13', 8023'-24', 8031'-32', 8036'-37', 8086'-87', 8092'-93', 8097'-98', 8105'-06', 8156'-57', 8161'-62', 8174'-75', 8180'-81' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7442 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 31719 GAL 16# DELTA 200 W/110300# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5862 PSIG. MTR 53.1 BPM. ATP 4887 PSIG. ATR 51.7 BPM. ISIP 3605 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7950'. PERFORATE MPR FROM 7728'-29', 7746'-47', 7762'-63', 7788'-89', 7816'-17', 7819'-20', 7840'-41', 7865'-66', 7868'-69', 7883'-84', 7897'-98', 7907'-08', 7914'-15', 7926'-27' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 54285 GAL 16# DELTA 200 W/185700# 20/40 SAND @ 2-4 PPG. PUMPED SCALECHEK HT @ 1.1 LB/1000 LB PROP. MTP 6249 PSIG. MTR 49.7BPM. ATP 4855 PSIG. ATR 49.2 BPM. ISIP 4353 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7690'. PERFORATE MPR FROM 7468'-69', 7483'-84', 7499'-500', 7505'-06', 7510'-11', 7521'-22', 7577'-78', 7595'-96', 7599'-600', 7603'-04', 7662'-63', 7666'-67', 7670'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7364 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 35797 GAL 16# DELTA 200 W/124700# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5776 PSIG. MTR 50.6 BPM. ATP 4911 PSIG. ATR 50.4 BPM. ISIP 3359 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7440'. PERFORATE MPR FROM 7285'-86', 7294'-95', 7310'-11', 7319'-20', 7323'-24', 7353'-54', 7360'-61', 7371'-72', 7374'-75', 7378'-79', 7385'-86', 7390'-91', 7394'-95', 7418'-19' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7416 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 42314 GAL 16# DELTA 200 W/147000# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5177 PSIG. MTR 50.9 BPM. ATP 3831 PSIG. ATR 50.9 BPM. ISIP 1985 PSIG. RD HALLIBURTON. SWIFN.

02–26–2010 Reported By MCCURDY

Daily Costs: Drilling \$0 **Completion** \$450,563 **Daily Total** \$450,563

Well Name: ECW 094–23 Field: CHAPITA DEEP Property: 064249

\$605,687 \$658,857 **Well Total** \$1,264,544 **Cum Costs: Drilling** Completion 8,600 0 0.0 0.0 8.600 11 MWMD TVD **Progress** Days Visc

Formation : MESAVERDE / **PBTD :** 8555.0 **Perf :** 5331'-8439' **PKR Depth :** 0.0

WASATCH

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	Activity Description
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06:00 06:00

24.0 SICP 1220 PSIG. RUWL. SET 6K CFP AT 7240'. PERFORATE UPR/MPR FROM 7034'-35', 7041'-42', 7047'-48', 7065'-66', 7084'-85', 7096'-97', 7109'-10', 7121'-22', 7150'-51', 7157'-58', 7177'-78', 7185'-86', 7192'-93', 7220'-21' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7367 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44224 GAL 16# DELTA 200 W/154900# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5181 PSIG. MTR 52.3 BPM. ATP 3657 PSIG. ATR 51.5 BPM. ISIP 2406 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6900'. PERFORATE UPR FROM 6680'-81', 6688'-89', 6694'-95', 6705'-06', 6729'-30', 6744'-45', 6757'-58', 6761'-62', 6766'-67', 6795'-96', 6802'-03', 6838'-39', 6862'-63', 6870'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7336 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 42145 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5489 PSIG. MTR 51.9 BPM. ATP 3986 PSIG. ATR 51 BPM. ISIP 2091 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6634'. PERFORATE UPR FROM 6479'-80', 6487'-88', 6494'-95', 6510'-11', 6514'-15', 6522'-23', 6526'-27', 6533'-34', 6547'-48', 6577'-78', 6582'-83', 6608'-09' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 33682 GAL 16# DELTA 200 W/117100# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 4735 PSIG. MTR 51.2 BPM. ATP 3611 PSIG. ATR 50.4 BPM. ISIP 2168 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6360'. PERFORATE Ba FROM 6079'-80', 6096'-97', 6214'-15', 6234'-35', 6241'-42', 6245'-46', 6252'-53', 6256'-57', 6275'-76', 6282'-83', 6291'-92', 6320'-21', 6335'-36' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7410 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 31648 GAL 16# DELTA 140 W/107800# 20/40 SAND @ 2-4 PPG, MTP 4979 PSIG. MTR 51.8 BPM. ATP 3755 PSIG. ATR 50.7 BPM. ISIP 2022 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6002'. PERFORATE Ca/Ba FROM 5510'-11', 5546'-47', 5582'-83', 5650'-51', 5733'-34', 5758'-59', 5765'-66', 5781'-82', 5816'-17', 5858'-59', 5871'-72', 5894'-95', 5922'-23', 5983'-84' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 10548 GAL 16# LINEAR W/13700# 20/40 SAND @ 1-1.5 PPG, 32492 GAL 16# DELTA 140 W/101000# 20/40 SAND @ 2-4 PPG, MTP 5798 PSIG. MTR 51.9 BPM. ATP 4138 PSIG. ATR 50.6 BPM. ISIP 1593 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5480'. PERFORATE Ca FROM 5331'-33', 5341'-43', 5347'-49', 5353'-55', 5360'-61', 5395'-97', 5462'-63' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 27380 GAL 16# DELTA 140 W/106300# 20/40 SAND @ 2-4 PPG, MTP 3693 PSIG. MTR 51.5 BPM. ATP 2995 PSIG. ATR 50.6 BPM. ISIP 1745 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5260'. RD CUTTERS WIRELINE. SDFN.

03-02-2010	Rep	orted By	HISI	LOP							
DailyCosts: Da	rilling	\$0		Compl	etion	\$23,881		Daily 7	Total	\$23,881	
Cum Costs: D	rilling	\$605,687		Compl	etion	\$682,738		Well T	otal	\$1,288,425	
MD	8,600	ΓVD	8,600	Progress	0	Days	12	MW	0.0	Visc	0.0
Formation: MESAVERDE / PBTD			TD: 855	55.0		Perf : 5331'-8	3439'		PKR Dep	oth: 0.0	

WASATCH

Activity at Report Time: DRILL PLUGS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SICP 0 PSIG. MIRUSU. ND FRAC TREE. NU BOP. RIH W/ BIT & PUMP OFF SUB TO 5260'. RU TO DRILL OUT
			PLUGS. SDFN.

	FORM 9					
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868					
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: East Chapita 94-23			
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000			
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9	PHONE NUMBER: 1111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 23	Township: 09.0S Range: 23.0E Meridian:	S	STATE: UTAH			
CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	☐ CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
	☐ OPERATOR CHANGE	L PLUG AND ABANDON	☐ PLUG BACK			
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Jule of Spaul	REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
✓ DRILLING REPORT	│		☐ WATER DISPOSAL			
Report Date: 3/3/2010	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The referenced well was turned to sales on 3/3/2010. Please see the attached operations summary report for drilling and completion operations performed Accepted by the on the subject well. Utah Division of Oil, Gas and Mining FOR RECORD, ONLY						
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBE 435 781-9145	R TITLE Operations Clerk				
SIGNATURE N/A		DATE 3/9/2010				

WELL CHRONOLOGY **REPORT**

Report Generated On: 03-09-2010

Well Name	ECW 094-23	Well Type	DEVG	Division	DENVER			
Field	CHAPITA DEEP	API#	43-047-50240	Well Class	COMP			
County, State	UINTAH, UT	Spud Date	01-18-2010	Class Date				
Tax Credit	N	TVD / MD	8,600/ 8,600	Property #	064249			
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/0			
KB / GL Elev	5,125/5,106							
Location	Section 23, T9S, R23E, NEN	Section 23, T9S, R23E, NENE, 470 FNL & 579 FEL						

Event No	1.0	Descri	i ption DR	ILL & COMPLET	Е			
Operator	EOG RESOURO	CES, INC WI %	100	0.0	NRI %	8	7.5	
AFE No	306668	AFE	Total	1,456,700	DHC/C	CWC	607,800/ 84	18,900
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	12-09-2008	Release D	01-2	24-2010
12-09-2008	Reported By	SHEILA N	MALLOY					
DailyCosts: D	rilling \$0		Completion	\$0	Dail	y Total	\$0	
Cum Costs: D	rilling \$0		Completion	\$0	Well	Total	\$0	
MD	0 TVD	0 Progr	ress 0	Days	0 MW	0.0	Visc	0.0
Formation:		PBTD : 0.0		Perf:		PKR Dep	th: 0.0	

Activity at Report Time: LOCATION DATA

Start **Activity Description** 06:00 06:00 24.0 LOCATION DATA

> 470' FNL & 579' FEL,(NE/NE) **SECTION 23, T9S, R23E** UINTAH COUNTY, UTAH

LAT 40.027428, LONG 109.286808 (NAD 83) LAT 40.027461, LONG 109.286131 (NAD 27)

TRUE #34

OBJECTIVE: 8600' TD, MESAVERDE

DW/GAS

EAST CHAPITA PROSPECT DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: U-67868

ELEVATION: 5101.9' NAT GL, 5106.3' PREP GL (DUE TO ROUNDING THE PREP GL IS 5106'), 5125' KB (19')

EOG WI 100%, NRI 87.50%

Reported By TERRY CSERE 11-25-2009

Main	DailyCosts: Drilling	\$75,000	Completion	\$0		Daily Total	\$75,000	
Formation	Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
Start	MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Stant	Formation:	PBTD : 0.0)	Perf:		PKR D	epth: 0.0	
11-30 - 200	Activity at Report T	ime: BUILD LOCATION						
This cont	Start End	Hrs Activity Descr	iption					
Paily Table Tab	06:00 06:00	24.0 START PUSHIN	G IN ROAD 11/25/2009.					
Com Cost Filling S75.00 Com ton S0 Well Tot S75.00 N/	11-30-2009 R	eported By TEI	RRY CSERE					
MD	DailyCosts: Drilling	\$0	Completion			Daily Total	\$0	
Perf	Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
Start	MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Start	Formation:	PBTD : 0.0)	Perf:		PKR D	epth: 0.0	
12-01-2009 Report From	Activity at Report T	ime: BUILD LOCATION						
Daily Costs Drilling So Completion So Daily Total So So Completion So Well Total So So Total So So So So So So So S	Start End	Hrs Activity Descri	iption					
Paily Cost Filling Stoce Completion Stoc	06:00 06:00	24.0 STARTED LOCA	ATION PAD.					
Com	12-01-2009 R	eported By TEI	RRY CSERE					
MD	DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Part	Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
Start	MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Start	Formation:	PBTD : 0.0)	Perf:		PKR D	epth: 0.0	
12-02-2009 Reported By SERRY CSERE STUME ST	Activity at Report T	ime: BUILD LOCATION						
12-02-2009 Reported By TERRY CSERE Daily Costs Drilling \$0 Completion \$0 Daily Total \$0 Cum Costs Drilling \$75,000 Completion \$0 Well Total \$75,000 MD	Start End	Hrs Activity Descr	iption					
Daily Costs: Drilling So Daily Total \$0 Com Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PBTD: 0.0 PERF PERF DEST PBTD: 0.0 PERF PERF DEST	06:00 06:00	24.0 LOCATION 10%	COMPLETE.					
Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Visc PKR Depth: 0.0 Start End Hrs Activity Description 12-03-2009 Reported By TERRY CSERE Daily Costs: Drilling \$0 Completion \$0 Daily Total \$0 Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 Total \$75,000 Perf: PKR Depth: 0.0 PKR Depth: 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 PKR Depth: 0.0 PKR Depth: 0.0 PKR Depth: 0.0 PKR Depth:	12-02-2009 R	eported By TER	RRY CSERE					
MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 No Daily Total \$0 Daily Total \$0 Com Delton \$0 Daily Total \$0 Com Delton Span="8">S	DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Formation: PBTD: 0.0 PERT: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description Activity Description 06:00 06:00 24.0 LOCATION 20% COMPLETE. LOCATION 20% COMPLETE. Table Octoor Solution Solut	Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
Activity at Report Time: BULD LOCATION Start End Hrs Activity Description 06:00 06:00 24.0 LOCATION 20% COMPLETE. 12-03-2009 Reported By TERRY CSERE Daily Costs: Drilling \$0 Daily Total \$0 Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BULD LOCATION	MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Start End 06:00 06:00 24:0 LOCATION 20% COMPLETE. TERRY CSERE 12-03-2009 Reported By TERRY CSERE Completion \$0 Daily Total \$0 Cum Costs: Drilling \$75,000 \$75,000 \$0 Well Total \$75,000 \$75	Formation:	PBTD : 0.0		Perf:		PKR D	epth: 0.0	
06:00 06:00 24.0 LOCATION 20% COMPLETE. 12-03-2009 Reported By TERRY CSERE Daily Costs: Drilling S75,000 Completion \$0 Daily Total S0 Cum Costs: Drilling S75,000 Completion \$0 Well Total S75,000 \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Perf: PKR Depth : 0.0 Formation: PBTD : 0.0 Perf: PKR Depth : 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description	Activity at Report T	ime: BUILD LOCATION						
06:00 06:00 24.0 LOCATION 20% COMPLETE. 12-03-2009 Reported By TERRY CSERE Daily Costs: Drilling S75,000 Completion \$0 Daily Total S0 Cum Costs: Drilling S75,000 Completion \$0 Well Total S75,000 \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Perf: PKR Depth : 0.0 Formation: PBTD : 0.0 Perf: PKR Depth : 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description	Start End	Hrs Activity Descri	iption					
Daily Costs: Drilling \$0 Daily Total \$0 Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description		-	=					
Daily Costs: Drilling \$0 Daily Total \$0 Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description	12-03-2009 R	eported By TEI	RRY CSERE					
Cum Costs: Drilling \$75,000 Completion \$0 Well Total \$75,000 MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description		_	Completion	\$0		Daily Total	\$0	
MD 0 TVD 0 Progress 0 Days 0 MW 0.0 Visc 0.0 Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description	·	\$75,000	-	\$0		-	\$75,000	
Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description	_		_	Davs	0		Visc	0.0
Activity at Report Time: BUILD LOCATION Start End Hrs Activity Description				•	Ť			
Start End Hrs Activity Description				· ·		_	<u>.</u>	
	_		iption					
		-	=					
12-04-2009 Reported By TERRY CSERE								

DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0 Progre	ess 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0.0		Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Description						
06:00 06:00	24.0 LOCATION IS 40% CO	MPLETE.					
12-07-2009 Re	eported By TERRY CS	ERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0 Progre	ess 0	Days	0	MW 0.0	Visc	0.0
Formation :	PBTD : 0.0		Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Description						
06:00 06:00	24.0 LOCATION IS 60% CO	MPLETE.					
12-08-2009 Re	eported By TERRY CS	ERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0 Progre	ess 0	Days	0	MW 0.0	Visc	0.0
Formation :	PBTD : 0.0		Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Description						
06:00 06:00	24.0 LOCATION IS 65% COI	MPLETE.					
12-09-2009 Re	eported By TERRY CS	ERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0 Progre	ess 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0.0		Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Description						
06:00 06:00	24.0 START CLOSED LOOP	SYSTEM.					
12-10-2009 Re	eported By TERRY CS	ERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0 Progre	_	Days	0	MW 0.0	Visc	0.0
Formation :	PBTD : 0.0		Perf:			Depth: 0.0	
	me: BUILD LOCATION					•	
Start End	Hrs Activity Description						
06:00 06:00	24.0 CLOSED LOOP 80% CO	OMPLETE.					
12-11-2009 Re	eported By TERRY CS	ERE					
-	· · · · · · · · · · · · · · · · · · ·						

DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	otal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:			PKR Dej	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 CLOSED LOO	P COMPLETE. GEL ON M	MONDAY.					
12-14-2009 Re	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	otal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 APPLYING GE	L TO CLOSED LOOP SY	STEM.					
12-15-2009 Re	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	otal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 LOCATION IS	COMPLETE.						
12-16-2009 Re	eported By K	ENT DEVENPORT						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	otal	\$75,000	
MD 60	TVD 60	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: WO AIR RIG							
Start End	Hrs Activity Desc	ription						
06:00 06:00	CEMENT TO S	STABOUT SERVICE SPU SURFACE WITH READY S NOTIFIED BY EMAIL	MIX. CAROL	DANIELS V	V/UDOGM WA			
01-11-2010 Re	eported By D.	AVID BRINKERHOFF						
DailyCosts: Drilling	\$208,557	Completion	\$0		Daily T	otal	\$208,557	
Cum Costs: Drilling	\$283,557	Completion	\$0		Well To	otal	\$283,557	
MD 2,401	TVD 2,401	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD : 0	.0	Perf:			PKR Dej	oth: 0.0	
Activity of Donord T!						-		
Activity at Report Ti	me: WORT							

06:00 06:00

24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2009. DRILLED 12–1/4" HOLE TO 2382' GL (2401' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO TD AND DISPLACED WITH PRODUCTION WATER. RAN 59 JTS (2368.58') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2387.58' KB. RDMO CRAIGS RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 300 BBLS FRESH WATER & 0 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: 250 SACKS (183 BBLS) OF PREMIUM CEMENT W/ 0.2% VARSET, 2% CALSEAL, & 2% EX-1. 10.5 PPG, YIELD 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/180 BBLS FRESH WATER. BUMPED PLUG W/120# @ 11:00, 12/22/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 6 HOURS.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 4 HOURS.

TOP JOB # 3: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 2 TOOK SURVEYS WHILE DRILLING HOLE @ 1450' = 1.25 DEGREE, 2050' = 1.75 DEGREE AND 2320' = 2.5 DEGREE.

DAVID BRINKERHOFF NOTIFIED JAMIE SPARGER W/ BLM OF THE SURFACE CASING & CEMENT JOB ON 12/21/2009 @ 03:00 AM, AND CAROL DANIELS W/ UDOGM.

01-18-2010	R	eported By	D	AVID GREESON	1						
DailyCosts: I	Orilling	\$71,627		Com	pletion	\$0		Daily	Total	\$71,627	
Cum Costs: 1	Drilling	\$355,184		Com	pletion	\$0		Well '	Fotal	\$355,184	
MD	2,401	TVD	2,401	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:		P	BTD: 0	0.0		Perf:			PKR De _I	oth: 0.0	

Activity at Report Time: RURT

Start	End	Hrs	Activity	Description

07:00 06:00

23.0 RELEASE RIG FROM THE ECW 96–23 AT 06:00 1/17/10. MOVE RIG FROM THE ECW 96–23 TO THE ECW 94–23.

1.1 MILE RIG MOVE. RW JONES TRUCKING BEGAN RIG MOVE AT 07:00 1/17/10 AND RIG WAS 100% MOVED IN BY 18:00 1/17/10

TRANSFERRED 2736 GL. FUEL AND 8 JT'S (342.07') 4.5" N-80, 11.6# PROD. CSG FROM THE ECW 96-23. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 94-23 SCHEDULED FOR 1/18/10 AT 11:00 AM. 2 FULL CREWS + 4 MEN, NO INCIDENTS OR ACCIDENTS REPORTED.

SAFETY MEETING TOPICS: RIG MOVE SAFETY

01-19-2010	Reported By	DAVID GREESON			
DailyCosts: Drill	ing \$48,068	Completion	\$0	Daily Total	\$48,068
Cum Costs: Drill	ling \$403,252	Completion	\$0	Well Total	\$403,252

MD	3,150	TVD	3,150	Progress	739	Days	1	MW	9.0	Visc	33.0
Formatio	n:		PBTD : 0.	0		Perf:			PKR De _l	oth: 0.0	
Activity a	t Report Ti	me: DRII	LLING @ 3,150'								
Start	End	Hrs	Activity Descr	ription							
06:00	11:00	5.0	MOVE RIG FRO	OM THE ECW	96–23 TO	THE ECW 9	4–23. 1.1 MI	LE RIG M	OVE.		
			TRANSFERRE	D 2736 GL. FU	EL AND 8	JT'S (342.07	7') 4.5" N-80	, 11.6# PR	OD. CSG TO TI	IE ECW 94–23	3.
11:00	14:30	3.5	RIG ACCEPTEI TESTED UPPE & OUTSIDE KI PSI/10 MIN HIG TO 500 PSI 3 M	R & LOWER K ILL LINE VALV GH. TESTED A	ELLY VAI VES, HCR, NNULAR	LVES, SAFE CHOKE LIN TO 250 PSI	TY VALVE, I NE AND MAI	DART VAL NIFOLD V	VE, PIPE RAM ALVES TO 250	S, BLIND RAM PSI/5 MIN LO	MS, INSIDE DW, 5000
14:30	15:00	0.5	TESTED CASI	NG TO 1500 PS	I FOR 30	MIN. TEST I	HELD. RD B	&C QUICE	KTEST.		
15:00	15:30	0.5	HELD SAFETY MACHINE. INS				W/ ALL ON	LOCATIO	N PRESENT. R	U WEATHERF	ORD LD
15:30	18:00	2.5	PU BHA #1 AN	D DRILL PIPE	W/ WEAT	HERFORD I	LD MACHIN	E. TAG AT	Γ 2347'. RD LD	MACHINE.	
18:00	21:00	3.0	DRILL CEMEN 50 BBL HIGH V			*	88') AND 10	FT OPEN	HOLE PAST O	LD HOLE TO	2411'. SPOT
21:00	21:30	0.5	PULL UP INTO		CONDU	CT FORMAT	ION INTEGE	RITY TEST	T @ 2380 W/A	8.9 PPG MUD	TO 275 PSI
21:30	22:00	0.5	SPUD PROD. H 67. 120 STK. O								
22:00	22:30	0.5	SURVEY @ 239	92', 2.1 DEGRI	EES.						
22:30	06:00	7.5	DRILL F/ 2470' MUD WT. 9.0, V	*	*				67. 120 STK. O	N #1 PUMP, 41	19 GPM.
			FULL CREWS,	NO INCIDENT	ΓS OR AC	CIDENTS RE	EPORTED.				
			SAFETY MEET	TING TOPICS:	PRESSUR	E TESTING	BOP/ PU BH	A SAFELY	Y.		
			FUNCTION CO	M DRILLING.	FUNCTIO	ON BOP AND	СНОКЕ.				
			FUEL RECIEV	ED 8000 GL. F	UEL ON E	IAND 9000 C	SL, USED 17	36 GL.			
			BOILER 24 HR	'S.							
06:00			SPUD A 7 7/8"	PROD HOLE @	21:30 HC	OURS ON 1/1	8/10.				
01-20-20)10 Re	eported l	By DA	VID GREESO	N						
DailyCos	ts: Drilling	\$	34,578	Con	npletion	\$0		Da	ily Total	\$34,578	
Cum Cos	ts: Drilling	\$	437,831	Con	npletion	\$0		We	ell Total	\$437,831	
MD	5,285	TVD	5,285	Progress	2,135	Days	2	MW	9.9	Visc	37.0
Formatio	n:		PBTD : 0.	0		Perf:			PKR De _l	oth: 0.0	
Activity a	it Report Ti	me: DRII	LLING @ 5,285'								
Start	End	Hrs	Activity Descri	ription							
06.00	00.20	2.5	DDII 1 E/2150	TO 25712 (421	, 100, EDI	T WOD 15 1	OK DDM 45	1414 DD1	4.70 105 CER 4	ONI #1 DIDATE	12.C CD3.4

MUD WT. 9.3, VIS 34. DRILLING MAHOGANY OIL SHALE AT 2,232'.

0.5 SERVICE RIG. FUNCTION COM DRILLING.

0.5 SURVEY @ 3490. 2.39 DEGREES.

09:30

10:00

10:30

19:00

06:00

09:30

10:00

10:30

3.5 DRILL F/ 3150' TO 3571' (421') 120' FPH. WOB 15–18K, RPM 45, MM RPM 70. 125 STK. ON #1 PUMP, 436 GPM.

8.5 DRILL F/3571' TO 4416' (845') 99' FPH. WOB 15-18K, RPM 45, MM RPM 70 (0.16 RPG). 125 STK. ON #1 PUMP,

 $436~\mathrm{GPM}$. MUD WT. 9.5, VIS 36. DRILLING MAHOGANY OIL SHALE AT 2,232' AND WASATCH @ 4,414'.

19:30 19:30 10:5 SURVEY & 4.338". I.86 DEGREES.	10.00	10.20	0.5 CLIDVEN (A 2202 1 06 DECDEES						
Second 14:00 14:					T WOD 15 10	IZ DDM 45	MA DDM 70 (0.1	(DDC)	105 CER ON 1	(1 DID (D
SAFETY MEETING TOPICS: STEAM LINES/ INSTALLING ROTATING HEAD.	19:30	06:00		` '			*	,		FI PUMP,
			FULL CRE	WS, NO INCIDENTS OR AG	CCIDENTS RE	PORTED. F	UNCTION COM	DRILLIN	IG.	
Daily Costs: Drilling S38,514 Completion S0 Daily Total S38,514 Completion S0 Well Total S476,346 Completion S0 Stervice Rice Function S0 Completion S0 Completion S0 Completion S0 Completion S0 Completion S0 Stervice Rice Function S0 Stervice Rice Function S0 Stervice Rice Function S0 S476,580			SAFETY M	IEETING TOPICS: STEAM	LINES/ INSTA	LLING ROT	ATING HEAD.			
DailyCosts: Drilling S38,514 Completion \$0 Daily Total \$38,514			FUEL ON	HAND 7182 GL, USED 1818	GL. BOILER	24 HR'S.				
Completion S0 Well Total \$476,346 Completion S0 Well Total \$476,346	01-21-20)10 Re	eported By	DAVID GREESON						
MD	DailyCos	ts: Drilling	\$38,514	Completion	\$0		Daily To	tal	\$38,514	
Post	Cum Cos	ts: Drilling	\$476,346	Completion	\$0		Well Tota	al	\$476,346	
Port	MD	6,560	TVD 6,56	60 Progress 1,275	Days	3	MW	11.0	Visc	38.0
Start End Hrs Activity Description	Formatio	n:	PBTD	0: 0.0	-		P	KR Der	oth: 0.0	
14:00	Activity a	ıt Report Ti	me: DRILLING@ 6,	560'				•		
419 GPM. MUD WT. 10.3, VIS 36. DRILLING CHAPITA WELLS @ 4,997' AND BUCK CANYON @ 5,680'. 14:00	Start	End	Hrs Activity I	Description						
14:30 06:00 15.5 DRILL F/ 5840° TO 6560° (720°) 47° FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU 419 GPM. MUD WT. 11.0, VIS 38. DRILLING NORTH HORN @ 6,162°, PRICE RIVER @ 6,364°. FULL CREWS, ONE INCIDENT REPORTED: PINCHED FINGER. FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPICS: BLOW OUT PREVENTION/ ROTARY TABLE SAFETY. FUEL ON HAND 5000 GL, USED 2182 GL. BOILER 24 HR'S. 10–22–2010 Reported By DAVID GREESON Daily Costs: Drilling \$21,235 Completion \$0 Daily Total \$21,235 Cum Costs: Drilling \$497,582 Completion \$0 Well Total \$497,582 MD 7,570 TVD 7,570 Progress 1,010 Days 4 MW 11.4 Visc Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 7570' Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560° TO 6790 (230°) 51° FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364°. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19:0 DRILL F/ 6790 TO 7570 (780°) 41° FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364°, MIDDLE PRICE @ 7,135°. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S.	06:00	14:00								
### 419 GPM. MUD WT. 11.0, VIS 38. DRILLING NORTH HORN @ 6,162', PRICE RIVER @ 6,364'. ###################################	14:00	14:30	0.5 SERVICE I	RIG. FUNCTION COM DRII	LING.					
FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS.	14:30	06:00		` '			*	,		‡1 PUMP,
DailyCosts: Drilling \$21,235 Completion \$0 Daily Total \$21,235			FUNCTION SAFETY M	N COM DRILLING. HELD E	OP DRILL 90 OUT PREVENT	SECONDS. TON/ ROTA		ETY.		
DailyCosts: Drilling \$21,235 Completion \$0 Daily Total \$21,235 Cum Costs: Drilling \$497,582 Completion \$0 Well Total \$497,582 MD 7,570 TVD 7,570 Progress 1,010 Days 4 MW 11.4 Visc Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 7570* Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560* TO 6790 (230*) 51* FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364*. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780*) 41* FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364*, MIDDLE PRICE @ 7,135*. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. DAVID GREES			FUEL ON 1	HAND 5000 GL, USED 2182	GL. BOILER	24 HR'S.				
Cum Costs: Drilling \$497,582 Completion \$0 Well Total \$497,582 MD 7,570 TVD 7,570 Progress 1,010 Days 4 MW 11.4 Visc Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 7570' Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FULL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. O1–23–2010 Reported By DAVID GREESON	01-22-20	010 Re	eported By	DAVID GREESON						
MD 7,570 TVD 7,570 Progress 1,010 Days 4 MW 11.4 Visc Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 7570' Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S.	DailyCos	ts: Drilling	\$21,235	Completion	\$0		Daily To	tal	\$21,235	
Formation: PBTD: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 7570' Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S.	Cum Cos	ts: Drilling	\$497,582	Completion	\$0		Well Tota	al	\$497,582	
Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	MD	7,570	TVD 7,57	70 Progress 1,010	Days	4	MW	11.4	Visc	38.0
Start End Hrs Activity Description 06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	Formatio	n:	PBTD	: 0.0	Perf:		P	KR Dep	oth: 0.0	
06:00 10:30 4.5 DRILL F/ 6560' TO 6790 (230') 51' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PU GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PUT GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	Activity a	t Report Ti	me: DRILLING @ 7:	570'						
GPM. MUD WT. 11.1, VIS 38. DRILLING PRICE RIVER @ 6,364'. 10:30 11:00 0.5 SERVICE RIG. FUNCTION COM DRILLING 11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PUT GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	Start	End	Hrs Activity I	Description						
11:00 06:00 19.0 DRILL F/ 6790 TO 7570 (780') 41' FPH. WOB 18–20K, RPM 45, MM RPM 67 (0.16 RPG). 120 STK. ON #1 PUL GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	06:00	10:30		, ,			,	6 RPG). 1	20 STK. ON #	1 PUMP, 419
GPM. MUD WT. 11.4, VIS 38. DRILLING PRICE RIVER @ 6,364', MIDDLE PRICE @ 7,135'. FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	10:30	11:00	0.5 SERVICE I	RIG. FUNCTION COM DRII	LING					
FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON	11:00	06:00		` '			*			PUMP, 419
FUNCTION COM DRILLING. HELD BOP DRILL 90 SECONDS. SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON			ELLI COE	WG NO AGGINENTS ON IN	IGIDENIEG DE	DODEED				
SAFETY MEETING TOPIC: CAST WALK SAFETY/PINCH POINTS FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON										
FUEL ON HAND 2964 GL, USED 2036 GL. BOILER 24 HR'S. 01–23–2010 Reported By DAVID GREESON							TC			
01–23–2010 Reported By DAVID GREESON							10			
	01_23_20	110 D			OL. BOILER	27 III D.				
Dany Costs: Drining 45/525 Completion 45,000 Dany Total 445,755			_		\$5 206		Dolly To	tal	\$43 735	
Cum Costs: Drilling \$535,511 Completion \$5,806 Well Total \$541,317	-	_		•			_			

	8,340	TVD	8,340	Progress	770	Days	5	MW	11.6	Visc	38.0
Formation	n:		PBTD : 0	0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: DRII	LLING @ 8,340°	,							
Start	End	Hrs	Activity Desc	ription							
06:00	14:00		DRILL F/ 7570	TO 7915' (345') T. 11.5, VIS 38.					,		1 PUMP, 419
14:00	14:30	0.5	SERVICE RIG.	FUNCTION CO	OM DRILL	ING.					
14:30	06:00	15.5		' TO 8340' (425' D WT. 11.6, VIS	*						1 PUMP,
			FULL CREWS	, NO ACCIDEN	TS OR INC	CIDENTS REP	ORTED				
			FUNCTION CO	OM DRILLING.	HELD BC	P DRILL 90 SI	ECONDS.				
			SAFETY MEE	TING TOPIC: H	OISTED A	ROUND KELI	LY/ FORK	LIFT SAFE	ΓY.		
			FUEL RECIEV	ED 3500 GL. O	N HAND 4	332 GL, USED	2132 GL.	BOILER 2	4 HR'S.		
01-24-20	10 Re	ported I	By Da	AVID GREESON	N						
DailyCost	s: Drilling	\$:	24,018	Com	pletion	\$766		Dail	y Total	\$24,785	
-	ts: Drilling	\$	559,530	Com	pletion	\$6,572		Wel	l Total	\$566,103	
MD	8,600	TVD	8,600	Progress	260	Days	6	MW	11.5	Visc	37.0
Formation	n:		PBTD : 0	0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: LD [OP								
Start	End	Hrs	Activity Desc	rintion							
06:00	14:00	8.0	DRILL F/ 8340	' TO 8570' (230' D WT. 11.6, VIS	*						¹1 PUMP,
	14:00 14:30		DRILL F/ 8340	' TO 8570' (230' D WT. 11.6, VIS	*						1 PUMP,
06:00		0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570	' TO 8570' (230' D WT. 11.6, VIS	38. DRIL	LING LOWER WOB 18–22K,	PRICE RI RPM 45, N	VER 7,910',	, SEGO 8,432' (0.16 RPG). 1	20 STK. ON #1	PUMP, 419
06:00 14:00	14:30	0.5 2.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10.	' TO 8570' (230' D WT. 11.6, VIS	S 38. DRIL 15' FPH. V DRILLING	LING LOWER WOB 18–22K, G LOWER PRI	PRICE RI RPM 45, N	VER 7,910',	, SEGO 8,432' (0.16 RPG). 1	20 STK. ON #1	PUMP, 419
06:00 14:00 14:30	14:30 16:30	0.5 2.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10.	' TO 8570' (230' 'D WT. 11.6, VIS '' TO 8600' (30') 'T. 11.6, VIS 38.	3 38. DRIL 15' FPH. V DRILLING	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, M CE RIVEF	VER 7,910', MM RPM 67 ? 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
06:00 14:00 14:30	14:30 16:30	0.5 2.0 1.0 4.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6	"TO 8570' (230') "D WT. 11.6, VIS "TO 8600' (30') "T. 11.6, VIS 38.	338. DRIL 15' FPH. V DRILLING EFORE SI SURFACE	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, M CE RIVEF	VER 7,910', MM RPM 67 ? 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
06:00 14:00 14:30 16:30 17:30	14:30 16:30 17:30 21:30	0.5 2.0 1.0 4.0	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6	O' TO 8570' (230') O' WT. 11.6, VIS O' TO 8600' (30') O' T. 11.6, VIS 38. BOTTOMS UP B OF STANDS TO STAND	338. DRIL 15' FPH. V DRILLING EFORE SI SURFACE	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP.	PRICE RI RPM 45, M CE RIVEF	VER 7,910', MM RPM 67 ? 7,910', SE	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1	PUMP, 419
06:00 14:00 14:30 16:30 17:30	14:30 16:30 17:30 21:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOO NO FILL OR T CIRCULATE B	O' TO 8570' (230') O' WT. 11.6, VIS O' TO 8600' (30') O' T. 11.6, VIS 38. BOTTOMS UP B OF STANDS TO STAND	38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600'	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238	PRICE RI RPM 45, M CE RIVER	VER 7,910', MM RPM 67 2 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOO NO FILL OR T CIRCULATE B LOCATION ON	O' TO 8570' (230') O' TO 8570' (230') O' TO 8600' (30') O' TO 8600' (30') O' TO 11.6, VIS 38. BOTTOMS UP B O6 STANDS TO S OTTOM F/ 8542' O' GHT SPOTS BOTTOMS UP, R	38. DRIL 15' FPH. V DRILLING SEFORE SI SURFACE TO 8600' RIG UP FR DOWN PR	WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238 ANKS LD MARACTICES.	PRICE RI RPM 45, M CE RIVER	VER 7,910', MM RPM 67 2 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP	O' TO 8570' (230') TO WT. 11.6, VIS O' TO 8600' (30') T. 11.6, VIS 38. BOTTOMS UP B G6 STANDS TO S FTOM F/ 8542' GHT SPOTS BOTTOMS UP, R VER SAFE LAY	38. DRIL 15' FPH. V DRILLING EFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY	WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 2383 ANKS LD MARACTICES.	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H	VER 7,910', MM RPM 67 2 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP	O' TO 8570' (230') TO WT. 11.6, VIS O' TO 8600' (30') T. 11.6, VIS 38. BOTTOMS UP B G6 STANDS TO S TTOM F/ 8542' TGHT SPOTS BOTTOMS UP, R VER SAFE LAY E & BHA. BREA	38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAR ACTICES. CIDENTS REPO	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H	VER 7,910', MM RPM 67 R 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30	14:30 16:30 17:30 21:30 22:00 23:30	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOO NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP	OM DRILLING	38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR ING AND TRIF	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910', MM RPM 67 R 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30 22:00 23:30	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS FUNCTION CO SAFETY MEE FUEL ON HAN	TO 8570' (230') TO WT. 11.6, VIS TO 8600' (30') TO 11.6, VIS 38. COTTOMS UP B TO STANDS TO STANDS TO STANDS TO STANDS UP, R WER SAFE LAY E & BHA. BREA TO MO ACCIDEN' OM DRILLING A	S 38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910', MM RPM 67 R 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30 22:00 23:30	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS FUNCTION CO SAFETY MEE FUEL ON HAN	TO 8570' (230' D WT. 11.6, VIS ON WT. 11	S 38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAR ACTICES. C. CIDENTS REPOPING PE/LD MACHI	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910', MM RPM 67 R 7,910', SEC	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE	20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30 22:00 23:30 01–25–20 DailyCost	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION ON LD DRILL PIP FULL CREWS. FUNCTION CO SAFETY MEE FUEL ON HAN By DA	TO 8570' (230' TO WT. 11.6, VIS TO 8600' (30') TO 11.6, VIS 38. BOTTOMS UP B G STANDS TO S TOM F/ 8542' TGHT SPOTS BOTTOMS UP, R VER SAFE LAY E & BHA. BREA NO ACCIDENT OM DRILLING TING TOPIC: PI ND 2500 GL, US AVID GREESON Com	S 38. DRIL 15' FPH. V DRILLING SEFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR ING AND TRIF ROPER PP SED 1832 C	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238' ANKS LD MARACTICES. C. CIDENTS REPOPING DE/LD MACHI GL. BOILER 2	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910', MM RPM 67 2 7,910', SEC LIP BACK TO ELD SAFET	, SEGO 8,432' (0.16 RPG). 1 GO 8,432'. RE O BOTTOM.	. 20 STK. ON #1 ACHED TD AT	PUMP, 419
06:00 14:00 14:30 16:30 17:30 21:30 22:00 23:30 01–25–20 DailyCost	14:30 16:30 17:30 21:30 22:00 23:30 06:00	0.5 2.0 1.0 4.0 0.5 1.5 6.5	DRILL F/ 8340 419 GPM. MU SERVICE RIG. DRILL F/ 8570 GPM. MUD W 1/23/10. CIRCULATE B SHORT TRIP 6 REAM TO BOT NO FILL OR T CIRCULATE B LOCATION OV LD DRILL PIP. FULL CREWS. FUNCTION CO SAFETY MEET FUEL ON HAM By DA 46,156	TO 8570' (230' TO WT. 11.6, VIS TO 8600' (30') TO 11.6, VIS 38. BOTTOMS UP B G STANDS TO S TOM F/ 8542' TGHT SPOTS BOTTOMS UP, R VER SAFE LAY E & BHA. BREA NO ACCIDENT OM DRILLING TING TOPIC: PI ND 2500 GL, US AVID GREESON Com	S 38. DRIL 15' FPH. V DRILLING EFFORE SI SURFACE TO 8600' RIG UP FR DOWN PR AK KELLY TS OR INC AND TRIF ROPER PP SED 1832 C	LING LOWER WOB 18–22K, G LOWER PRI HORT TRIP. SHOE AT 238: ANKS LD MAC ACTICES. CIDENTS REPO PING E/ LD MACHI GL. BOILER 2: \$161,806	PRICE RI RPM 45, M CE RIVER 7' AND TR CHINE. H ORTED NE SAFE	VER 7,910', MM RPM 67 2 7,910', SEC LIP BACK TO ELD SAFET	(0.16 RPG). 1 GO 8,432'. RE O BOTTOM.	20 STK. ON #1ACHED TD AT	PUMP, 419

Activity at Report Time: RDRT/WO COMPLETION

Start	End	Hrs	Activity Description
06:00	06:30	0.5	LD BHA, BREAK KELLY, BREAK OFF BIT AND LD ROLLER REAMERS.
06:30	07:00	0.5	PULL WEAR BUSHING.
07:00	08:00	1.0	RU FRANKS WESTATES CASING TOOLS, HELD SAFETY MEETING W/ ALL ON LOCATION OVER SAFE CASING RUNNING.
08:00	13:00	5.0	RAN 200 JT'S. 4 1/2", 11.6#, N–80, LTC CASING AS FOLLOWS: FLOAT SHOE @ 8599', 1 JT CSG, FLOAT COLLAR @ 8555', 51 JTS CSG, MARKER JOINT @ 6340', 55 JTS CSG., MJ @ 3997', 93 JTS CSG AND A 10' PUP JT TO GROUND LEVEL. PU JT. #201 OF CSG AND TAGGED BOTTOM. LD TAG JT., PU LANDING JT WITH CASING HANGER AND DTO FLUTED HEAD. LANDED CASING HANGER W/75,000# RESTING STRING WT.
13:00	14:30	1.5	RD FRANKS WESTATES CASING AND LD MACHINE TOOLS. RU HALLIBURTON CEMENTERS TOOLS. HELD SAFETY MEETING OVER SAFE CEMENTING PRACTICES.
14:30	17:30	3.0	PRESSURE TEST LINES TO 5000 PSI, CEMENT PROD. CASING AS FOLLOWS: DROP BOTTOM PLUG, PUMP 20 BBLS MUD FLUSH, 20 BBLS FRESH WATER, MIX AND PUMP 390 SX LEAD CEMENT (127.8 BBL) @ 12.0 PPG, 1.84 YLD, H2O 9.86 GAL/SK. MIX AND PUMP 1215 SX (318 BBLS) TAIL CEMENT @ 13.5 PPG, 1.47 YLD, H2O 6.98 GAL/SK. WASH UP TO PIT, DROP TOP PLUG AND DISPLACE W/ 132.6 BBLS H2O. FULL RETURNS. NO CEMENT TO SURFACCE. MAX OPERATING PRESSURE 2215 PSI, BUMPED PLUG TO 3840 PSI MAX. HELD PRESSURE FOR 1 MINUTE. BLED BACK 2 BBLS, FLOAT HELD.
17:30	19:00	1.5	RD HALLIBURTON CEMENTING TOOLS. HELD CEMENTING HEAD IN PLACE FOR ONE HOUR BEFORE REMOVING.
19:00	20:00	1.0	SET PACK OFF RING ON DTO HANGER W/ FMC TECH. HAND. TEST TO 5K PSI. TEST HELD.
20:00	22:00	2.0	ND BOP, CHOKE MANIFOLD, FLOWLINE AND CLEAN MUD TANKS W/ BADGER R&R SUPER–VAC TRUCKS.
22:00	06:00	8.0	RIG DOWN ROTARY TOOL. MOVE RIG FROM THE ECW 94–23 TO THE ECW 93–23, 0.3 MILES.
			RW JONES TRUCKING SET TO BEGIN RIG MOVE AT 07:00 1/25/10. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 93–23 SCHEDULED FOR 1/25/10 AT 22:00 PM.
			TRANSFERRING 2500 GL DIESEL FUEL, 212.07' OF 4.5" 11.6# N -80 LTC CASING AND 20.06' P -110 11.6# MARKER JOINT TO THE ECW 93 -23 .
			RELEASE RIG AT 21:00 1/24/10.
			FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED.
			SAFETY MEETING TOPIC: RUNNING CASING/ CEMENTING SAFETY.
			FUEL RECEIVED 1200 GL. ON HAND 2500 GL, USED 1192 GL. BOILER 24 HR'S.
06:00			RIG RELEASE @ 22:00 HRS, 1/24/10.
			CASING POINT COST \$599,851
01-29-201	0 Ro	eported I	By SEARLE

01-29-20	10 R	eported B	y SI	EARLE							
DailyCost	s: Drilling	\$0		Cor	mpletion	\$36,300		Daily	Total	\$36,300	
Cum Cost	ts: Drilling	\$6	05,687	Cor	mpletion	\$204,679		Well	Fotal	\$810,366	
MD	8,600	TVD	8,600	Progress	0	Days	8	MW	0.0	Visc	0.0
Formation	n:		PBTD : 8	555.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: PREP	FOR FRACS								
Start	End	Hrs	Activity Desc	ription							
06:00	06:00		MIRU SCHLUI RD SCHLUME		OG WITH R	ST/CBL/CCL/V	DL/GR F	ROM PBTD T	TO 920'. EST	CEMENT TO	P @ 1220'.

02–20–2010 Reported By MCCURDY

DailyCosts: Drilling \$0 Completion \$1,693 **Daily Total** \$1,693 **Cum Costs: Drilling** \$605.687 \$206,372 Well Total \$812,059 Completion 8,600 8,600 0 Days MW0.0 0.0 MD **TVD Progress** Visc Formation: **PBTD**: 8555.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

02-25-2010 Reported By **MCCURDY** DailyCosts: Drilling \$0 Completion \$1,921 **Daily Total** \$1,921 **Cum Costs: Drilling** \$605,687 Completion \$208,293 Well Total \$813,980 8,600 8,600 0 10 0.0 0.0 MD **TVD** MW Visc **Progress** Days **Formation:** MESAVERDE **PBTD**: 8555.0 Perf: 7285'-8439' PKR Depth: 0.0

Activity at Report Time: FRAC STAGES 6 THROUGH 11

Start End Hrs Activity Description

06:00

06:00

24.0 MIRU CUTTERS WIRELINE & PERFORATE LPR FROM 8220'-21', 8231'-32', 8239'-40', 8246'-47', 8266'-67', 8270'-71', 8346'-47', 8365'-67', 8371'-72', 8376'-78', 8408'-09', 8438'-39' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7390 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 32557 GAL 16# DELTA 200 W/114200# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 6190 PSIG. MTR 53.3 BPM. ATP 4702 PSIG. ATR 51.3 BPM. ISIP

2744 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8196'. PERFORATE LPR FROM 8012'-13', 8023'-24', 8031'-32', 8036'-37', 8086'-87', 8092'-93', 8097'-98', 8105'-06', 8156'-57', 8161'-62', 8174'-75', 8180'-81' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7442 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 31719 GAL 16# DELTA 200 W/110300# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5862 PSIG. MTR 53.1 BPM. ATP 4887 PSIG. ATR 51.7 BPM. ISIP 3605 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7950'. PERFORATE MPR FROM 7728'-29', 7746'-47', 7762'-63', 7788'-89', 7816'-17', 7819'-20', 7840'-41', 7865'-66', 7868'-69', 7883'-84', 7897'-98', 7907'-08', 7914'-15', 7926'-27' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 54285 GAL 16# DELTA 200 W/185700# 20/40 SAND @ 2-4 PPG. PUMPED SCALECHEK HT @ 1.1 LB/1000 LB PROP. MTP 6249 PSIG. MTR 49.7BPM. ATP 4855 PSIG. ATR 49.2 BPM. ISIP 4353 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7690'. PERFORATE MPR FROM 7468'-69', 7483'-84', 7499'-500', 7505'-06', 7510'-11', 7521'-22', 7577'-78', 7595'-96', 7599'-600', 7603'-04', 7662'-63', 7666'-67', 7670'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7364 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 35797 GAL 16# DELTA 200 W/124700# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5776 PSIG. MTR 50.6 BPM. ATP 4911 PSIG. ATR 50.4 BPM. ISIP 3359 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7440'. PERFORATE MPR FROM 7285'-86', 7294'-95', 7310'-11', 7319'-20', 7323'-24', 7353'-54', 7360'-61', 7371'-72', 7374'-75', 7378'-79', 7385'-86', 7390'-91', 7394'-95', 7418'-19' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7416 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 42314 GAL 16# DELTA 200 W/147000# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5177 PSIG. MTR 50.9 BPM. ATP 3831 PSIG. ATR 50.9 BPM. ISIP 1985 PSIG. RD HALLIBURTON. SWIFN.

02–26–2010 Reported By MCCURDY

Daily Costs: Drilling \$0 **Completion** \$450,563 **Daily Total** \$450,563

\$605,687 \$658,857 **Well Total** \$1,264,544 **Cum Costs: Drilling** Completion 8,600 0 0.0 0.0 8.600 11 MWMD TVD **Progress** Days Visc

Formation: MESAVERDE / PBTD: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SICP 1220 PSIG. RUWL. SI

24.0 SICP 1220 PSIG. RUWL. SET 6K CFP AT 7240'. PERFORATE UPR/MPR FROM 7034'-35', 7041'-42', 7047'-48', 7065'-66', 7084'-85', 7096'-97', 7109'-10', 7121'-22', 7150'-51', 7157'-58', 7177'-78', 7185'-86', 7192'-93', 7220'-21' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7367 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44224 GAL 16# DELTA 200 W/154900# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5181 PSIG. MTR 52.3 BPM. ATP 3657 PSIG. ATR 51.5 BPM. ISIP 2406 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6900'. PERFORATE UPR FROM 6680'-81', 6688'-89', 6694'-95', 6705'-06', 6729'-30', 6744'-45', 6757'-58', 6761'-62', 6766'-67', 6795'-96', 6802'-03', 6838'-39', 6862'-63', 6870'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7336 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 42145 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5489 PSIG. MTR 51.9 BPM. ATP 3986 PSIG. ATR 51 BPM. ISIP 2091 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6634'. PERFORATE UPR FROM 6479'-80', 6487'-88', 6494'-95', 6510'-11', 6514'-15', 6522'-23', 6526'-27', 6533'-34', 6547'-48', 6577'-78', 6582'-83', 6608'-09' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 33682 GAL 16# DELTA 200 W/117100# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 4735 PSIG. MTR 51.2 BPM. ATP 3611 PSIG. ATR 50.4 BPM. ISIP 2168 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6360'. PERFORATE Ba FROM 6079'-80', 6096'-97', 6214'-15', 6234'-35', 6241'-42', 6245'-46', 6252'-53', 6256'-57', 6275'-76', 6282'-83', 6291'-92', 6320'-21', 6335'-36' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7410 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 31648 GAL 16# DELTA 140 W/107800# 20/40 SAND @ 2-4 PPG, MTP 4979 PSIG. MTR 51.8 BPM. ATP 3755 PSIG. ATR 50.7 BPM. ISIP 2022 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6002'. PERFORATE Ca/Ba FROM 5510'-11', 5546'-47', 5582'-83', 5650'-51', 5733'-34', 5758'-59', 5765'-66', 5781'-82', 5816'-17', 5858'-59', 5871'-72', 5894'-95', 5922'-23', 5983'-84' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 10548 GAL 16# LINEAR W/13700# 20/40 SAND @ 1-1.5 PPG, 32492 GAL 16# DELTA 140 W/101000# 20/40 SAND @ 2-4 PPG, MTP 5798 PSIG. MTR 51.9 BPM. ATP 4138 PSIG. ATR 50.6 BPM. ISIP 1593 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5480'. PERFORATE Ca FROM 5331'-33', 5341'-43', 5347'-49', 5353'-55', 5360'-61', 5395'-97', 5462'-63' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 27380 GAL 16# DELTA 140 W/106300# 20/40 SAND @ 2-4 PPG, MTP 3693 PSIG. MTR 51.5 BPM. ATP 2995 PSIG. ATR 50.6 BPM. ISIP 1745 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5260'. RD CUTTERS WIRELINE. SDFN.

03-02-2010	Reporte	ed By	HISLOP							
DailyCosts: Drill	ing	\$0		Completion	\$23,881		Daily '	Total	\$23,881	
Cum Costs: Dril	ling	\$605,687		Completion	\$682,738		Well T	Cotal	\$1,288,425	
MD 8,6	00 TV I	8,600	Progre	ess 0	Days	12	MW	0.0	Visc	0.0
Formation: MES	SAVERDE /	PBTD	: 8555.0		Perf : 5331'-	8439'		PKR Dep	oth: 0.0	

WASATCH

Activity at Report Time: POST FRAC CLEAN OUT

Start End Hrs **Activity Description**

24.0 SICP 0 PSIG. MIRUSU. ND FRAC TREE & NU BOP. RIH W/BIT & PUMP OFF SUB TO 5260'. RU TO DRILL OUT 06:00 06:00

PLUGS, SDFN.

HISLOP 03-03-2010 Reported By

\$41,499 **Daily Total** \$41,499 DailyCosts: Drilling Completion **Cum Costs: Drilling** \$605,687 Completion \$724,237 Well Total \$1,329,924

MD 8,600 TVD 8,600 13 MW 0.0 **Progress** Days Visc

Formation: MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST

Start End Hrs **Activity Description**

24.0 SICP 0 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 5260', 5480', 6002', 6360', 6634', 6900', 7240', 7440', 06:00 06:00

7690', 7950' & 8196'. CLEANED OUT TO 8541'. LANDED TUBING @ 7020' KB. ND BOP & NU TREE. PUMPED

OFF BIT & SUB. RDMOSU.

FLOWED 13 HRS. 24/64" CHOKE. FTP 1150 PSIG. CP 1400 PSIG. 86 BFPH. RECOVERED 1044 BLW. 11956

BLWTR.

TUBING DETAIL LENGTH

PUMP OFF BIT SUB .91'

1 JT 2-3/8" 4.7# N-80 TBG [YB] 31.50'

XN NIPPLE 1.30'

218 JTS 2-3/8" 4.7# N-80 TBG [YB] 6967.67'

Progress

BELOW KB 19.00'

8,600

LANDED @ 7020.38' KB

HISLOP 03-04-2010 Reported By

TVD

DailyCosts: Drilling \$0 \$6.315 **Daily Total** \$6.315 Completion

Cum Costs: Drilling \$605,687 Completion \$730,552 Well Total \$1,336,239 0

Formation: MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

MD

Activity at Report Time: FLOW TEST TO SALES

8,600

Start End Hrs **Activity Description**

06:00 06:00 24.0 INITIAL PRODUCTION. OPENING PRESSURE: TP 1150 PSIG & CP 1400 PSIG. TURNED WELL OVER TO

Days

QUESTAR SALES AT 10:45 AM, 3/3/10. FLOWED 520 MCFD RATE ON 24/64" POS CHOKE. STATIC 263.

14

MW

0.0

Visc

0.0

QUESTAR METER #008396.

FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1150 PSIG. CP 1350 PSIG. 66 BFPH.

RECOVERED 1561 BLW. 10395 BLWTR. 439 MCFD RATE.

03-05-2010 HISLOP Reported By

\$0 \$8.185 DailyCosts: Drilling \$8,185 **Daily Total** Completion \$1,344,424 \$605,687 \$738,737 **Cum Costs: Drilling** Completion Well Total

MD 8.600 **TVD** 8,600 **Progress Days** 15 MW0.0 Visc 0.0

Formation : MESAVERDE / **PBTD :** 8555.0 **Perf :** 5331'-8439' **PKR Depth :** 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1300 PSIG. 63 BFPH.

RECOVERED 1554 BLW. 8841 BLWTR. 558 MCFD RATE.

FLOWED 480 MCF, 36 BC & 1561 BW IN 24 HRS ON 24/64" CHOKE. TP 1105 PSIG, CP 1350 PSIG.

HISLOP 03-06-2010 Reported By \$0 DailyCosts: Drilling \$3,055 **Daily Total** \$3,055 Completion \$605,687 \$741,792 \$1,347,479 **Cum Costs: Drilling** Completion **Well Total** 0.0 0.0 MD 8,600 **TVD** 8,600 **Progress** 0 **Days** 16 MWVisc **Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1650 PSIG. 52 BFPH.

RECOVERED 1371 BLW. 7470 BLWTR. 663 MCFD RATE.

FLOWED 615 MCF, 20 BC & 1554 BW IN 24 HRS ON 24/64" CHOKE. TP 1100 PSIG, CP 1375 PSIG.

03-07-2010 Reported By HISLOP DailyCosts: Drilling \$0 \$3,477 **Daily Total** \$3,477 Completion **Cum Costs: Drilling** \$605,687 Completion \$745,269 Well Total \$1,350,956 0.0 0.0 MD 8,600 **TVD** 8,600 17 MWVisc **Progress** Days **PBTD**: 8555.0 Perf: 5331'-8439' Formation: MESAVERDE / PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1850 PSIG. 45 BFPH.

RECOVERED 1231 BLW. 6239 BLWTR. 801 MCFD RATE.

FLOWED 735 MCF, 30 BC & 1371 BW IN 24 HRS ON 24/64" CHOKE. TP 1095 PSIG, CP 1750 PSIG.

HISLOP 03-08-2010 Reported By \$2,835 **Daily Total** \$2,835 DailyCosts: Drilling Completion \$605,687 \$748,104 \$1,353,791 **Cum Costs: Drilling** Completion Well Total 0.0 MD 8,600 **TVD** 8,600 18 MWVisc **Progress Days Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1850 PSIG. 43 BFPH.

RECOVERED 1125 BLW. 5114 BLWTR. 851 MCFD RATE.

FLOWED 842 MCF, 30 BC & 1231 BW IN 24 HRS ON 24/64" CHOKE. TP 1100 PSIG, CP 1850 PSIG.

03-09-2010 Reported By HISLOP

 DailyCosts: Drilling
 \$0
 Completion
 \$3,270
 Daily Total
 \$3,270

 Cum Costs: Drilling
 \$605,687
 Completion
 \$751,374
 Well Total
 \$1,357,061

MD 8,600 **TVD** 8,600 **Progress** 0 **Days** 19 **MW** 0.0 **Visc** 0.0

Formation: MESAVERDE / **PBTD**: 8555.0 **Perf**: 5331'-8439' **PKR Depth**: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1900 PSIG. 41 BFPH.

RECOVERED 1072 BLW. 4042 BLWTR. 856 MCFD RATE.

FLOWED 894 MCF, 47 BC & 1125 BW IN 24 HRS ON 24/64" CHOKE. TP 1095 PSIG, CP 1860 PSIG.

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137

			BUREA	U OF LA	AND MA	NAGEM	IENT						Expi	res: Jul	y 31, 2010
	WELL	COMPI	LETION (OR REC	COMPL	ETION	REPO	RT	AND LO	G			ease Serial JTU67868	No.	
la. Type	of Well	Oil Well	l ⊠ Gas	Well	☐ Dry	Othe	er					6. If	Indian, All	ottee o	r Tribe Name
b. Type	of Completio	n 🔯 N	New Well er	□ Work	(Over	☐ Deepe	en 🗖	Plug	Back [Diff. R	esvr.	7. U	nit or CA A	greem	ent Name and No.
2. Name of Operator Contact: MICKENZIE GATES									8. L	ease Name	and W	ell No.			
	RESOURCE			E-Mail: M	ICKENZII	E_GATE			OURCES.C				AST CHA		94-23
		., UT 840	78				Ph: 453	3-781		ea code)			PI Well No		43-047-50240
4. Location	on of Well (Re	_	-				•	ents))*			N	IATURAL	BUTT	
	prod interval		. 579FEL 40 velow - NEI		,			+ 10	0 28681 W	Lon		11. 5	Sec., T., R., r Area Se	M., or c 23 T	Block and Survey 9S R23E Mer SLB
			NL 579FEL						9.20001 W	LOII		12. (County or P		13. State UT
14. Date S 12/15/	Spudded		15. E	ate T.D. R 1/23/2010	Reached		16. I	Date D &	Completed A 🛛 Re 3/2010	ady to P	rod.		Elevations (DF, K 02 GL	B, RT, GL)*
18. Total	Depth:	MD TVD	8600		19. Plug I	Back T.D.		D	8555		20. De	pth Bri	dge Plug Se		MD TVD
#RST/C	Electric & Ot CBL/CCL/VD	L/GR				each)			22	2. Was v Was I Direct	vell core OST run ional Su	d? ? rvey?	☑ No ☑ No ☑ No	🗖 Yes	s (Submit analysis) s (Submit analysis) s (Submit analysis)
23. Casing a	and Liner Rec	cord (Repo	ort all string:	1		u la		. 1	N. 669		Lai		<u> </u>		
Hole Size			Wt. (#/ft.)	Top (MD)		ttom St ID)	age Ceme Depth	enter	No. of SI Type of C		Slurry (BE	i	Cement 7	Гор*	Amount Pulled
12.25		625 J-55	36.0	1		2388				850				0	
7.87	5 4.8	500 N-80	11.6			8599				1605	ļ			1220	
					1			\neg						•	
24. Tubing								_							
Size 2.375	Depth Set (I	MD) P:	acker Depth	(MD)	Size	Depth So	et (MD)	Pa	acker Depth	(MD)	Size	De	pth Set (MI))	Packer Depth (MD)
	ing Intervals	7020				26. Per	rforation F	Reco	rd						
F	ormation		Тор		Bottom		Perfora	ited I	nterval		Size	N	lo. Holes		Perf. Status
	CH/MESAVI	ERDE		5331	843	9		_	8220 TO 8	439			2		
<u>B)</u>									8012 TO 8				2		
<u>C)</u>	*					 			7728 TO 7				2		
D) 27. Acid. F	racture, Trea	tment. Cer	nent Squeeze	e Etc					7468 TO 7	671			2		
	Depth Interv		January	, 200				An	nount and Ty	ne of M	aterial				
	82	220 TO 84	139 40,057	GALS OF	GELLED V	VATER &	123,700# 2			p					
	80)12 TO 81	181 39,271	GALS OF (GELLED V	VATER &	119,900# 2	20/40	SAND						
	77	728 TO 79	27 61,804	GALS OF (GELLED V	VATER &	195,200# 2	20/40	SAND						
20 Duodu or	74 tion - Interval		37 1 43,271 (GALS OF (GELLED V	VATER &	134,200# 2	20/40	SAND						
Date First	Test	Hours	Test	Oil	Gas	Water	. 10	Dil Gra		Gas		Donalossi	on Method		
Produced 03/03/2010	Date 03/08/2010	Tested 24	Production	BBL 30.0	MCF 842.	BBL		orr. A		Gravity		Producii		e enc	OM WELL
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water		ias:Oil		Well Sta	tus		1200	OTTIC	ON VVLL
Size 24/64	Flwg. 1100 SI	Press. 1850.0	Rate	BBL 30	MCF 842	BBL 1		latio			aw aw				
	ction - Interva									1 1	A 4 4				
Date First	Test	Hours	Test	Oil	Gas	Water		il Gra		Gas		Production	on Method		
Produced	Date	Tested	Production	BBL	MCF	BBL		orr. A	PI	Gravity					
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL		ias:Oil atio		Well Sta	tus				·

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #84360 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED *APR 1 2 2010

RECEIVED

401 7											
	luction - Interv		Im .	Lou	Lo	Luc	Tono :	I o		In a second	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Grav		Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	l Status		
28c. Prod	luction - Interv	al D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Grav		Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	l Status		
29. Dispo	osition of Gas(S	Sold, used fo	or fuel, vent	ed, etc.)	•	•	•				
30. Sumn Show tests,	nary of Porous	zones of poi	osity and co	ontents there			all drill-stem shut-in pressure	es	31. For	mation (Log) Markers	
	Formation		Тор	Bottom		Description	ns, Contents, etc	Э.		Name	Top Meas. Depth
•	H/MESAVER		5331	8439					BIF MA UTI WA CH. BU	EEN RIVER RDS NEST HOGANY ELAND BUTTE ISATCH APITA WELLS CK CANYON ICE RIVER	1294 1631 2237 4305 4421 5025 5714 6370
1. Ele 5. Su	enclosed attacectrical/Mechaindry Notice for	nical Logs (and cement	verification hed information	tion is comp	60 Verified	rect as determin	7 ed from al 'ell Inforn	nation Syst	records (see attached instruction	
							INC., sent to t	he Vernal			
Name	(please print)	MICKENZ	IE GATES	. ^	11		Title C	PERATIO	ONS CLE	RK	
Signat	ture WW	Huldroblo	Cubinist	atti)			Date <u>0</u>	4/07/2010	0		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

East Chapita 94-23 - ADDITIONAL REMARKS (CONTINUED):

26. PERFORATION RECORD

7285-7419	2/spf
7034-7221	2/spf
6680-6871	2/spf
6479-6609	2/spf
6079-6336	2/spf
5510-5984	2/spf
5331-5463	3/spf

27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

7285-7419	49,840 GALS GELLED WATER & 156,500# 20/40 SAND
7034-7221	51,701 GALS GELLED WATER & 164,400# 20/40 SAND
6680-6871	49,591 GALS GELLED WATER & 155,900# 20/40 SAND
6479-6609	41,201 GALS GELLED WATER & 126,600# 20/40 SAND
6079-6336	39,168 GALS GELLED WATER & 117,300# 20/40 SAND
5510-5984	43,150 GALS GELLED WATER & 114,700# 20/40 SAND
5331-5463	27,490 GALS GELLED WATER & 106,300# 20/40 SAND

Perforated the Lower Price River from 8220'-21', 8231'-32', 8239'-40', 8246'-47', 8266'-67', 8270'-71', 8346'-47', 8365'-67', 8371'-72', 8376'-78', 8408'-09', 8438'-39' w/ 2 spf.

Perforated the Lower Price River from 8012'-13', 8023'-24', 8031'-32', 8036'-37', 8086'-87', 8092'-93', 8097'-98', 8105'-06', 8156'-57', 8161'-62', 8174'-75', 8180'-81' w/ 2 spf.

Perforated the Middle Price River from 7728'-29', 7746'-47', 7762'-63', 7788'-89', 7816'-17', 7819'-20', 7840'-41', 7865'-66', 7868'-69', 7883'-84', 7897'-98', 7907'-08', 7914'-15', 7926'-27' w/ 2 spf.

Perforated the Middle Price River from 7468'-69', 7483'-84', 7499'-7500', 7505'-06', 7510'-11', 7521'-22', 7577'-78', 7595'-96', 7599'-7600', 7603'-04', 7662'-63', 7666'-67', 7670'-71' w/ 2 spf.

Perforated the Middle Price River from 7285'-86', 7294'-95', 7310'-11', 7319'-20', 7323'-24', 7353'-54', 7360'-61', 7371'-72', 7374'-75', 7378'-79', 7385'-86', 7390'-91', 7394'-95', 7418'-19' w/ 2 spf.

Perforated the Middle/Upper Price River from 7034'-35', 7041'-42', 7047'-48', 7065'-66', 7084'-85', 7096'-97', 7109'-10', 7121'-22', 7150'-51', 7157'-58', 7177'-78', 7185'-86', 7192'-93', 7220'-21' w/ 2 spf.

Perforated the Upper Price River from 6680'-81', 6688'-89', 6694'-95', 6705'-06', 6729'-30', 6744'-45', 6757'-58', 6761'-62', 6766'-67', 6795'-96', 6802'-03', 6838'-69', 6862'-63', 6870'-71' w/ 2 spf.

Perforated the Upper Price River from 6479'-80', 6487'-88', 6494'-95', 6510'-11', 6514'-15', 6522'-23', 6526'-27', 6533'-34', 6547'-48', 6577'-78', 6582'-83', 6608'-09' w/ 2 spf.

Perforated the Ba from 6079'-80', 6096'-97', 6214'-15', 6234'-35', 6241'-42', 6245'-46', 6252'-53', 6256'-57', 6275'-76', 6282'-83', 6291'-92', 6320'-21', 6335'-36' w/ 2 spf.

Perforated the Ba/Ca from 5510'-11', 5546'-47', 5582'-83', 5650'-51', 5733'-34', 5758'-59', 5765'-66', 5781'-82', 5816'-17', 5858'-59', 5871'-72', 5894'-95', 5922'-23', 5983'-84' w/ 2 spf.

Perforated the Ca from 5331'-33', 5341'-43', 5347'-49', 5353'-55', 5360'-61', 5395'-97', 5462'-63' w/ 3 spf.

32. FORMATION (LOG) MARKERS

Middle Price River	7146
Lower Price River	7932
Sego	8490

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	CES	FORM 9
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868
SUNDE	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propose bottom-hole depth, reenter plu DRILL form for such proposals.	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: East Chapita 94-23
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	PHONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 23	P, RANGE, MERIDIAN: Township: 09.0S Range: 23.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Please see the att	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION MPLETED OPERATIONS. Clearly show all petached well chronology reports showing all activity up to 3/2	t for the referenced well /2010. Oi	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION WATER DISPOSAL APD EXTENSION OTHER: Volumes, etc. ACCEPTED by the Utah Division of I, Gas and Mining R RECORD, ONLY
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBE	R TITLE Operations Clerk	
SIGNATURE N/A	435 781-9145	DATE 3/2/2010	

DailyCosts: Drilling \$0 Completion \$1,693 **Daily Total** \$1,693 \$206,372 \$812,059 **Cum Costs: Drilling** \$605,687 Completion Well Total 8,600 0.0 0.0 MD 8,600 0 MWTVD **Progress** Days Visc

Formation: PBTD: 8555.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

02-25-2010 MCCURDY Reported By \$0 \$1,921 \$1,921 DailyCosts: Drilling Completion **Daily Total** \$605,687 \$208,293 \$813,980 **Cum Costs: Drilling Well Total** Completion 0.0 0.0 MD 8,600 **TVD** 8,600 **Progress** 0 **Days** 10 MWVisc **Formation:** MESAVERDE **PBTD**: 8555.0 PKR Depth: 0.0 Perf: 7285'-8439'

Activity at Report Time: FRAC STAGES 6 THROUGH 11

Start End Hrs Activity Description

06:00

06:00

24.0 MIRU CUTTERS WIRELINE & PERFORATE LPR FROM 8220'-21', 8231'-32', 8239'-40', 8246'-47', 8266'-67', 8270'-71', 8346'-47', 8365'-67', 8371'-72', 8376'-78', 8408'-09', 8438'-39' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7390 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 32557 GAL 16# DELTA 200 W/114200# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 6190 PSIG. MTR 53.3 BPM. ATP 4702 PSIG. ATR 51.3 BPM. ISIP 2744 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8196'. PERFORATE LPR FROM 8012'-13', 8023'-24', 8031'-32', 8036'-37', 8086'-87', 8092'-93', 8097'-98', 8105'-06', 8156'-57', 8161'-62', 8174'-75', 8180'-81' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7442 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 31719 GAL 16# DELTA 200 W/110300# 20/40 SAND @ 2–5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5862 PSIG. MTR 53.1 BPM. ATP 4887 PSIG. ATR 51.7 BPM. ISIP 3605 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7950'. PERFORATE MPR FROM 7728'-29', 7746'-47', 7762'-63', 7788'-89', 7816'-17', 7819'-20', 7840'-41', 7865'-66', 7868'-69', 7883'-84', 7897'-98', 7907'-08', 7914'-15', 7926'-27' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 54285 GAL 16# DELTA 200 W/185700# 20/40 SAND @ 2-4 PPG. PUMPED SCALECHEK HT @ 1.1 LB/1000 LB PROP. MTP 6249 PSIG. MTR 49.7BPM. ATP 4855 PSIG. ATR 49.2 BPM. ISIP 4353 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7690'. PERFORATE MPR FROM 7468'-69', 7483'-84', 7499'-500', 7505'-06', 7510'-11', 7521'-22', 7577'-78', 7595'-96', 7599'-600', 7603'-04', 7662'-63', 7666'-67', 7670'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7364 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 35797 GAL 16# DELTA 200 W/124700# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5776 PSIG. MTR 50.6 BPM. ATP 4911 PSIG. ATR 50.4 BPM. ISIP 3359 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7440'. PERFORATE MPR FROM 7285'-86', 7294'-95', 7310'-11', 7319'-20', 7323'-24', 7353'-54', 7360'-61', 7371'-72', 7374'-75', 7378'-79', 7385'-86', 7390'-91', 7394'-95', 7418'-19' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7416 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 42314 GAL 16# DELTA 200 W/147000# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5177 PSIG. MTR 50.9 BPM. ATP 3831 PSIG. ATR 50.9 BPM. ISIP 1985 PSIG. RD HALLIBURTON. SWIFN.

02–26–2010 Reported By MCCURDY

Daily Costs: Drilling \$0 **Completion** \$450,563 **Daily Total** \$450,563

Cum Costs: Drilling \$605,687 **Completion** \$658,857 **Well Total** \$1,264,544

MD 8,600 TVD 8,600 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation : MESAVERDE / **PBTD :** 8555.0 **Perf :** 5331'-8439' **PKR Depth :** 0.0

WASATCH

06:00

Activity at Report Time: PREP TO MIRUSU

06:00

Start End Hrs Activity Description

24.0 SICP 1220 PSIG. RUWL. SET 6K CFP AT 7240'. PERFORATE UPR/MPR FROM 7034'-35', 7041'-42', 7047'-48', 7065'-66', 7084'-85', 7096'-97', 7109'-10', 7121'-22', 7150'-51', 7157'-58', 7177'-78', 7185'-86', 7192'-93', 7220'-21' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7367 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44224 GAL 16# DELTA 200 W/154900# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5181 PSIG. MTR

52.3 BPM. ATP 3657 PSIG. ATR 51.5 BPM. ISIP 2406 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6900'. PERFORATE UPR FROM 6680'-81', 6688'-89', 6694'-95', 6705'-06', 6729'-30', 6744'-45', 6757'-58', 6761'-62', 6766'-67', 6795'-96', 6802'-03', 6838'-39', 6862'-63', 6870'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7336 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 42145 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5489 PSIG. MTR 51.9 BPM. ATP 3986 PSIG. ATR 51 BPM. ISIP 2091 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6634'. PERFORATE UPR FROM 6479'-80', 6487'-88', 6494'-95', 6510'-11', 6514'-15', 6522'-23', 6526'-27', 6533'-34', 6547'-48', 6577'-78', 6582'-83', 6608'-09' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 33682 GAL 16# DELTA 200 W/117100# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 4735 PSIG. MTR 51.2 BPM. ATP 3611 PSIG. ATR 50.4 BPM. ISIP 2168 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6360'. PERFORATE Ba FROM 6079'-80', 6096'-97', 6214'-15', 6234'-35', 6241'-42', 6245'-46', 6252'-53', 6256'-57', 6275'-76', 6282'-83', 6291'-92', 6320'-21', 6335'-36' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7410 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 31648 GAL 16# DELTA 140 W/107800# 20/40 SAND @ 2-4 PPG, MTP 4979 PSIG. MTR 51.8 BPM. ATP 3755 PSIG. ATR 50.7 BPM. ISIP 2022 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6002'. PERFORATE Ca/Ba FROM 5510'-11', 5546'-47', 5582'-83', 5650'-51', 5733'-34', 5758'-59', 5765'-66', 5781'-82', 5816'-17', 5858'-59', 5871'-72', 5894'-95', 5922'-23', 5983'-84' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 10548 GAL 16# LINEAR W/13700# 20/40 SAND @ 1-1.5 PPG, 32492 GAL 16# DELTA 140 W/101000# 20/40 SAND @ 2-4 PPG, MTP 5798 PSIG. MTR 51.9 BPM. ATP 4138 PSIG. ATR 50.6 BPM. ISIP 1593 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5480'. PERFORATE Ca FROM 5331'-33', 5341'-43', 5347'-49', 5353'-55', 5360'-61', 5395'-97', 5462'-63' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 27380 GAL 16# DELTA 140 W/106300# 20/40 SAND @ 2-4 PPG, MTP 3693 PSIG. MTR 51.5 BPM. ATP 2995 PSIG. ATR 50.6 BPM. ISIP 1745 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5260'. RD CUTTERS WIRELINE. SDFN.

03-02-2010 Reported By HISLOP DailyCosts: Drilling \$0 Completion \$23,881 **Daily Total** \$23,881 \$1,288,425 \$605,687 \$682,738 **Cum Costs: Drilling** Completion Well Total MD 8,600 **TVD** 8,600 **Progress** Davs 12 MW0.0 Visc 0.0 **Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: DRILL PLUGS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SICP 0 PSIG. MIRUSU. ND FRAC TREE. NU BOP. RIH W/ BIT & PUMP OFF SUB TO 5260'. RU TO DRILL OUT
			PLUGS. SDFN.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.	existing wells below current se APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: East Chapita 94-23
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047502400000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	I, UT, 84078 435 781-91	PHONE NUMBER: 11 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI	P, RANGE, MERIDIAN: Township: 09.0S Range: 23.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
3/3/2010	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIBE BRODOSED OF CO	MPLETED OPERATIONS. Clearly show all pert	inant datails including datas, danths, y	
The referenced well w	report for drilling and complet on the subject well. PHONE NUMBER	O. Please see the attached ion operations performed Oi FOF	d
Mickenzie Gates SIGNATURE	435 781-9145	Operations Clerk DATE	
N/A		3/9/2010	

WELL CHRONOLOGY REPORT

Report Generated On: 03-09-2010

Well Name	ECW 094-23	Well Type	DEVG	Division	DENVER			
Field	CHAPITA DEEP	API#	43-047-50240	Well Class	COMP			
County, State	UINTAH, UT	Spud Date	01-18-2010	Class Date				
Tax Credit	N	TVD / MD	8,600/ 8,600	Property #	064249			
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/0			
KB / GL Elev	5,125/5,106							
Location	Section 23, T9S, R23E, NENE, 470 FNL & 579 FEL							

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC W	VI % 10	0.0	NRI %	87.5	
AFE No	No 306668		AFE Total 1,456,700		DHC / C	WC 6	07,800/ 848,900
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	12-09-2008	Release Date	2 01-24-2010
12-09-2008	Reported B	y SHEI	ILA MALLOY				
DailyCosts: D	rilling \$0		Completion	\$0	Daily	Total \$	0
Cum Costs: D	rilling \$0		Completion	\$0	Well '	Total \$	0
MD	0 TVD	0 I	Progress 0	Days	0 MW	0.0	7 isc 0.0
Formation: PBTI				Perf:		PKR Depth	: 0.0

Activity at Report Time: LOCATION DATA

1.0

Event No

Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION DATA

470' FNL & 579' FEL,(NE/NE) SECTION 23, T9S, R23E UINTAH COUNTY, UTAH

LAT 40.027428, LONG 109.286808 (NAD 83) LAT 40.027461, LONG 109.286131 (NAD 27)

Description

TRUE #34

OBJECTIVE: 8600' TD, MESAVERDE

DW/GAS

EAST CHAPITA PROSPECT DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: U-67868

ELEVATION: 5101.9' NAT GL, 5106.3' PREP GL (DUE TO ROUNDING THE PREP GL IS 5106'), 5125' KB (19')

EOG WI 100%, NRI 87.50%

11–25–2009 Reported By TERRY CSERE

DailyCosts: Drilling	\$75,000	Completion	\$0		Daily To	otal	\$75,000	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	tal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Ti	me: BUILD LOCATIO	ON						
Start End	Hrs Activity De	escription						
06:00 06:00	24.0 START PUS	HING IN ROAD 11/25/2009						
11-30-2009 R	eported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	tal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Ti	me: BUILD LOCATIO	ON						
Start End	Hrs Activity De	escription						
06:00 06:00	24.0 STARTED L	OCATION PAD.						
12-01-2009 R	eported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	tal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Ti	me: BUILD LOCATIO	ON						
Start End	Hrs Activity Do	escription						
06:00 06:00	24.0 LOCATION	10% COMPLETE.						
12-02-2009 R	eported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well To	tal	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Ti	me: BUILD LOCATIO)N						
Start End	Hrs Activity Do	escription						
06:00 06:00	24.0 LOCATION	20% COMPLETE.						
	eported By	TERRY CSERE						
12-03-2009 R			¢0		Daily To	otol	\$0	
12-03-2009 R DailyCosts: Drilling	\$0	Completion	\$0		Daily 10	otai	ΨΟ	
	\$0 \$75,000	Completion Completion	\$0 \$0		Well To		\$75,000	
DailyCosts: Drilling		-		0				0.0
DailyCosts: Drilling Cum Costs: Drilling	\$75,000	Completion Progress 0	\$0	0	Well To MW	tal	\$75,000 Visc	0.0
DailyCosts: Drilling Cum Costs: Drilling MD 0	\$75,000 TVD 0 PBTD	Completion Progress 0 : 0.0	\$0 Days	0	Well To MW	tal 0.0	\$75,000 Visc	0.0
DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation :	\$75,000 TVD 0 PBTD	Completion Progress 0 : 0.0 ON	\$0 Days	0	Well To MW	tal 0.0	\$75,000 Visc	0.0
DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti	\$75,000 TVD 0 PBTD me: BUILD LOCATIO Hrs Activity De	Completion Progress 0 : 0.0 ON	\$0 Days	0	Well To	tal 0.0	\$75,000 Visc	0.0

DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Desc	ription					
06:00 06:00	24.0 LOCATION IS	40% COMPLETE.					
12-07-2009 R	eported By Ti	ERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Desc	ription					
06:00 06:00	24.0 LOCATION IS	60% COMPLETE.					
12-08-2009 R	eported By T	ERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0	0.0	Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Desc	ription					
06:00 06:00	24.0 LOCATION IS	65% COMPLETE.					
12-09-2009 R	eported By TI	ERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0	0.0	Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Desc	ription					
06:00 06:00	24.0 START CLOSE	ED LOOP SYSTEM.					
12-10-2009 R	eported By TI	ERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$75,000	
MD 0	TVD 0	Progress 0	Days	0	MW 0.0	Visc	0.0
Formation:	PBTD : 0	.0	Perf:		PKR I	Depth: 0.0	
Activity at Report Ti	me: BUILD LOCATION						
Start End	Hrs Activity Desc	ription					
Start End 06:00 06:00	Hrs Activity Desc 24.0 CLOSED LOO	_					

DailyCosts: Drilling	\$0	Completion	\$0		Daily Tota	ı l \$0)	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total		75,000	
MD 0	TVD 0 Pr	ogress 0	Days	0	MW	0.0 V	isc 0.0	.0
Formation :	PBTD : 0.0		Perf:		PK	R Depth :	0.0	
Activity at Report Ti	ne: BUILD LOCATION							
Start End	Hrs Activity Descripti	ion						
06:00 06:00	24.0 CLOSED LOOP CO	MPLETE. GEL ON M	MONDAY.					
12-14-2009 Re	ported By TERRY	CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily Tota	1 \$0)	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	. \$7	75,000	
MD 0	TVD 0 Pr	rogress 0	Days	0	MW	0.0 V	isc 0.0	.0
Formation:	PBTD : 0.0		Perf:		PK	R Depth :	0.0	
Activity at Report Tir	ne: BUILD LOCATION							
Start End	Hrs Activity Descripti	ion						
06:00 06:00	24.0 APPLYING GEL TO	CLOSED LOOP SY	STEM.					
12-15-2009 Re	ported By TERRY	CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily Tota	1 \$0)	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	\$7	75,000	
MD 0	TVD 0 Pr	ogress 0	Days	0	MW	0.0 V	isc 0.0	.0
Formation:	PBTD: 0.0		Perf:		PK	KR Depth :	0.0	
Activity at Report Ti	ne: BUILD LOCATION							
Start End	Hrs Activity Descripti	ion						
06:00 06:00	24.0 LOCATION IS COM	MPLETE.						
12–16–2009 Re	ported By KENT	DEVENPORT						
DailyCosts: Drilling	\$0	Completion	\$0		Daily Tota	1 \$0)	
Cum Costs: Drilling	\$75,000	Completion	\$0		Well Total	. \$7	75,000	
MD 60	TVD 60 Pr	rogress 0	Days	0	MW	0.0 V	isc 0.0	.0
Formation:	PBTD : 0.0		Perf:		PK	R Depth :	0.0	
Activity at Report Ti	ne: WO AIR RIG							
Start End	Hrs Activity Descripti	ion						
06:00 06:00		OUT SERVICE SPUI FACE WITH READY I OTIFIED BY EMAIL (MIX. CARO	L DANIELS V	//UDOGM WAS N			
01–11–2010 Re	ported By DAVID	BRINKERHOFF						
DailyCosts: Drilling	\$208,557	Completion	\$0		Daily Tota	ıl \$2	208,557	
Cum Costs: Drilling	\$283,557	Completion	\$0		Well Total	. \$2	283,557	
MD 2,401	TVD 2,401 Pr	rogress 0	Days	0	MW	0.0 V	isc 0.0	.0
Formation :	PBTD : 0.0		Perf:		PK	KR Depth :	0.0	
Activity at Report Ti	ne: WORT							
Start End	Hrs Activity Descripti	ion						

06:00 06:00

24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2009. DRILLED 12–1/4" HOLE TO 2382' GL (2401' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO TD AND DISPLACED WITH PRODUCTION WATER. RAN 59 JTS (2368.58') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2387.58' KB. RDMO CRAIGS RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 300 BBLS FRESH WATER & 0 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: 250 SACKS (183 BBLS) OF PREMIUM CEMENT W/ 0.2% VARSET, 2% CALSEAL, & 2% EX-1. 10.5 PPG, YIELD 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/180 BBLS FRESH WATER. BUMPED PLUG W/120# @ 11:00, 12/22/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 6 HOURS.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 4 HOURS.

TOP JOB # 3: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT, WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 2 TOOK SURVEYS WHILE DRILLING HOLE @ 1450' = 1.25 DEGREE, 2050' = 1.75 DEGREE AND 2320' = 2.5 DEGREE.

DAVID BRINKERHOFF NOTIFIED JAMIE SPARGER W/ BLM OF THE SURFACE CASING & CEMENT JOB ON 12/21/2009 @ 03:00 AM. AND CAROL DANIELS W/ UDOGM.

01-18-2010	R	eported By	D	AVID GREESON	1						
DailyCosts: Drilling \$71,627		27	Completion \$0				Daily	Total	\$71,627		
Cum Costs: Drilling		\$355,184		Com	pletion	\$0		Well	Fotal	\$355,184	
MD	2,401	TVD	2,401	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation: PBT		PBTD : 0	0.0		Perf:			PKR Dep	oth: 0.0		

Activity at Report Time: RURT

G4 4		TT	A 41 14 TO 1 41
Start	End	Hrs	Activity Description

07:00 06:00

23.0 RELEASE RIG FROM THE ECW 96–23 AT 06:00 1/17/10. MOVE RIG FROM THE ECW 96–23 TO THE ECW 94–23.

1.1 MILE RIG MOVE. RW JONES TRUCKING BEGAN RIG MOVE AT 07:00 1/17/10 AND RIG WAS 100% MOVED IN BY 18:00 1/17/10.

TRANSFERRED 2736 GL. FUEL AND 8 JT'S (342.07) 4.5" N-80, 11.6# PROD. CSG FROM THE ECW 96-23. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 94-23 SCHEDULED FOR 1/18/10 AT 11:00 AM. 2 FULL CREWS + 4 MEN, NO INCIDENTS OR ACCIDENTS REPORTED.

SAFETY MEETING TOPICS: RIG MOVE SAFETY

01-19-2010	Reported By	DAVID GREESON			
DailyCosts: Drilli	ng \$48,068	Completion	\$0	Daily Total	\$48,068
Cum Costs: Drilli	ing \$403,252	Completion	\$0	Well Total	\$403,252

MD	3,150	TVD	3,150 Prog	ress 739	Days	1	MW	9.0	Visc	33.0
Formatio	n:	PB'	TD : 0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: DRILLING @	3,150'							
Start	End	Hrs Activity	y Description	1						
06:00	11:00	5.0 MOVE I	RIG FROM TH	E ECW 96–23 TC	THE ECW 9	4–23. 1.1 MI	LE RIG MOV	VE.		
		TRANS	FERRED 2736	GL. FUEL AND	3 JT'S (342.07	") 4.5" N–80	, 11.6# PROI	O. CSG TO TI	HE ECW 94–23	
11:00	14:30	TESTEI & OUTS PSI/10 N	O UPPER & LO SIDE KILL LIN MIN HIGH. TE	DAYWORK AT 11 DWER KELLY VA JE VALVES, HCR STED ANNULAR L TESTS GOOD,	LVES, SAFE , CHOKE LIN . TO 250 PSI	ΓΥ VALVE, I NE AND MA	DART VALVI NIFOLD VAI	E, PIPE RAM LVES TO 250	S, BLIND RAM PSI/5 MIN LO	MS, INSIDE W, 5000
14:30	15:00	0.5 TESTEI	CASING TO	1500 PSI FOR 30	MIN. TEST H	HELD. RD B	&C QUICKT	EST.		
15:00	15:30			TING OVER PU B WEAR BUSHING		W/ ALL ON	LOCATION	PRESENT. R	U WEATHERF	ORD LD
15:30	18:00	2.5 PU BHA	A #1 AND DRI	LL PIPE W/ WEA	THERFORD I	LD MACHIN	E. TAG AT 2	347'. RD LD	MACHINE.	
18:00	21:00			AT EQUIPMENT L FOR F.I.T. TES	*	88') AND 10	FT OPEN H	OLE PAST O	OLD HOLE TO	2411'. SPOT
21:00 21:30 0.5 PULL UP INTO CASING AND CONDUCT FORMATION INTEGRITY TEST @ 2380 W/ A 8.9 PPG MUD TO 275 PSI = 11.1 EMW. TEST HELD.										
21:30	22:00			21:30 ON 1/18/1 JMP, 419 GPM. M						
22:00	22:30	0.5 SURVE	Y @ 2392', 2.1	DEGREES.						
22:30	06:00			50' (680') 91' FPH DRILLING MAH				'. 120 STK. O	N #1 PUMP, 41	9 GPM.
		FULL C	REWS, NO IN	CIDENTS OR AC	CIDENTS RE	EPORTED.				
		SAFETY	Y MEETING T	OPICS: PRESSUF	RE TESTING	BOP/ PU BH	A SAFELY.			
		FUNCT	ION COM DR	LLING. FUNCTI	ON BOP AND	СНОКЕ.				
		FUEL R	ECIEVED 800	0 GL. FUEL ON I	HAND 9000 G	L, USED 17	36 GL.			
		BOILER	R 24 HR'S.							
06:00		SPUD A	7 7/8" PROD	HOLE @ 21:30 H	OURS ON 1/1	8/10.				
01-20-20)10 Re	eported By	DAVID G	REESON						
DailyCos	ts: Drilling	\$34,578		Completion	\$0		Daily	Total	\$34,578	
Cum Cos	ts: Drilling	\$437,831		Completion	\$0		Well	Total	\$437,831	
MD	5,285	TVD 5	5,285 Prog	ress 2,135	Days	2	MW	9.9	Visc	37.0
Formatio	n:	PB'	TD : 0.0		Perf:			PKR De	pth: 0.0	
Activity a	ıt Report Ti	me: DRILLING @	5,285							
Start	End	Hrs Activity	y Description	1						
06:00	09:30			71' (421') 120' FP DRILLING MAH				0. 125 STK. 0	ON #1 PUMP, 4	36 GPM.
09:30	10:00			ΓΙΟΝ COM DRIL						

0.5 SURVEY @ 3490. 2.39 DEGREES.

10:00

10:30

10:30

19:00

8.5 DRILL F/ 3571' TO 4416' (845') 99' FPH. WOB 15–18K, RPM 45, MM RPM 70 (0.16 RPG). 125 STK. ON #1 PUMP, 436 GPM. MUD WT. 9.5, VIS 36. DRILLING MAHOGANY OIL SHALE AT 2,232' AND WASATCH @ 4,414'.

0.5 SURVEY @ 4,338'. 1.86 DEGREES.

19:00

19:30

19:30	06:00		RILL F/ 4416' 36 GPM. MUD	*	*				. ,	125 STK. ON # @ 4,997'.	1 PUMP,
		F	ULL CREWS,	NO INCIDEN	TS OR ACC	IDENTS R	EPORTED. F	UNCTION CO	OM DRILLIN	NG.	
		S	AFETY MEET	ING TOPICS:	STEAM LI	NES/ INST	ALLING ROT	ATING HEAI	Э.		
		F	UEL ON HAN	D 7182 GL, US	SED 1818 G	L. BOILE	R 24 HR'S.				
01-21-201	10 Re	eported By	DA	VID GREESO	N						
DailyCosts	s: Drilling	\$38,	,514	Cor	npletion	\$0		Daily	Total	\$38,514	
Cum Cost	s: Drilling	\$470	6,346	Cor	npletion	\$0		Well 7	Total	\$476,346	
MD	6,560	TVD	6,560	Progress	1,275	Days	3	MW	11.0	Visc	38.0
Formation	ı:		PBTD : 0.0	0		Perf:			PKR Dep	pth: 0.0	
Activity at	t Report Ti	me: DRILL	ING@ 6,560'								
Start	End	Hrs A	ctivity Descr	ription							
06:00	14:00			`	/				` /	120 STK. ON # NYON @ 5,680	
14:00	14:30	0.5 SI	ERVICE RIG. 1	FUNCTION C	OM DRILLI	NG.					
14:30	06:00		RILL F/ 5840' 19 GPM. MUD	,	,		, ,		` /	120 STK. ON # 6,364'.	1 PUMP,
		FI SA	ULL CREWS, UNCTION CO AFETY MEET UEL ON HAN	M DRILLING ING TOPICS:	. HELD BOI BLOW OU	P DRILL 9 F PREVEN	0 SECONDS.		AFETY.		
01-22-201	10 Re	eported By	DA	VID GREESO	N						
DailyCosts	s: Drilling	\$21,	,235	Cor	npletion	\$0		Daily	Total	\$21,235	
Cum Cost	s: Drilling	\$49	7,582	Cor	npletion	\$0		Well '	Total	\$497,582	
MD	7,570	TVD	7,570	Progress	1,010	Days	4	MW	11.4	Visc	38.0
Formation	ı:		PBTD : 0.0	0		Perf:			PKR De _l	pth: 0.0	
Activity at	t Report Ti	me: DRILL	ING @ 7570'								
Start	End	Hrs A	ctivity Descr	ription							
06:00	10:30		RILL F/ 6560' PM. MUD W		, -		- , - ,	'	(0.16 RPG). 1	20 STK. ON #1	PUMP, 419
10:30	11:00	0.5 SI	ERVICE RIG. 1	FUNCTION C	OM DRILLI	NG					
11:00	06:00		RILL F/ 6790 7 PM. MUD WT					,	,	20 STK. ON #1 35'.	PUMP, 419
		FI	ULL CREWS,	NO ACCIDEN	TS OR INC	IDENTS R	EPORTED				
			UNCTION CO								
		S	AFETY MEET	ING TOPIC: O	CAST WALK	SAFETY	PINCH POIN	TS			
		F	UEL ON HAN	D 2964 GL, US	SED 2036 G	L. BOILE	R 24 HR'S.				
01-23-201	10 Re	eported By	DA	VID GREESO	N						
DailyCosts	s: Drilling	\$37,	,929	Cor	npletion	\$5,806		Daily	Total	\$43,735	
Cum Cost	_	\$53	5,511		npletion	\$5,806		Well 7		\$541,317	
					D	re 7					

MD	8,340	TVD	8,340	Progress	770	Days	5	MW	11.6	Visc	38.0
Formatio	n:		PBTD : 0.	0		Perf:			PKR De _l	pth: 0.0	
Activity a	t Report Ti	me: DRILL	ING @ 8,340'								
Start	End	Hrs A	ctivity Descr	ription							
06:00	14:00			TO 7915' (345' T. 11.5, VIS 38.	*				` '		1 PUMP, 419
14:00	14:30	0.5 SI	ERVICE RIG.	FUNCTION CO	OM DRILL	LING.					
14:30	06:00			TO 8340' (425 O WT. 11.6, VIS	*				. ,		#1 PUMP,
		FU	JLL CREWS,	NO ACCIDEN	TS OR INC	CIDENTS REP	ORTED				
		FU	UNCTION CO	M DRILLING.	HELD BO	OP DRILL 90 S	ECONDS.				
		Sz	AFETY MEET	TING TOPIC: H	OISTED A	ROUND KEL	LY/ FORKI	LIFT SAFE	ГΥ.		
		FU	JEL RECIEV	ED 3500 GL. O	N HAND 4	1332 GL, USEI) 2132 GL.	BOILER 2	4 HR'S.		
01-24-20)10 Re	eported By	DA	VID GREESO	N						
DailyCos	ts: Drilling	\$24,	018	Con	pletion	\$766		Dail	y Total	\$24,785	
Cum Cos	ts: Drilling	\$559	9,530	Con	pletion	\$6,572		Well	l Total	\$566,103	
MD	8,600	TVD	8,600	Progress	260	Days	6	MW	11.5	Visc	37.0
Formatio	n:		PBTD : 0.	0		Perf:			PKR De _l	pth: 0.0	
Activity a	t Report Ti	me: LD DP									
Start	End	Hrs A	ctivity Desc	ription							
06:00	14:00			TO 8570' (230 D WT. 11.6, VIS	*				. ,		#1 PUMP,
14:00	14:30	0.5 SI	ERVICE RIG.								
14:30	16:30	G		TO 8600' (30') Г. 11.6, VIS 38.					,		
16:30	17:30	1.0 C	RCULATE B	OTTOMS UP B	EFORE SI	HORT TRIP.					
17:30	21:30	4.0 SI	HORT TRIP 6	6 STANDS TO	SURFACE	SHOE AT 238	7' AND TR	IP BACK T	О ВОТТОМ.		
21:30	22:00	0.5 R	ЕАМ ТО ВОТ	TOM F/ 8542'	TO 8600'						
		N	O FILL OR TI	GHT SPOTS							
22:00	23:30			OTTOMS UP, F ER SAFE LAY			CHINE. HI	ELD SAFET	Y MEETING	WITH ALL O	N
23:30	06:00	6.5 Ll	D DRILL PIPE	E & BHA. BRE	AK KELLY	Y.					
		FU SA	JNCTION CC AFETY MEET	NO ACCIDEN OM DRILLING TING TOPIC: P TD 2500 GL, US	AND TRIF ROPER PF	PPING PE/ LD MACHI	NE SAFET	ГΥ			
01-25-20	010 Re	eported By	DA	VID GREESO	N						
DailyCost	ts: Drilling	\$46,	156	Con	pletion	\$161,806		Dail	y Total	\$207,963	
=	ts: Drilling	\$605	5,687		pletion	\$168,379			l Total	\$774,066	
MD	8,600	TVD	8,600	Progress	0	Days	7	MW	11.5	Visc	38.0
Formatio	n:		PBTD : 0.	_		Perf:			PKR De		
					P:	nge 8				•	

Activity at Report Time: RDRT/WO COMPLETION

tart	End	Hrs	Activity Description
06:00	06:30	0.5	LD BHA, BREAK KELLY, BREAK OFF BIT AND LD ROLLER REAMERS.
06:30	07:00	0.5	PULL WEAR BUSHING.
07:00	08:00	1.0	RU FRANKS WESTATES CASING TOOLS, HELD SAFETY MEETING $\ensuremath{\mathrm{W}}/$ ALL ON LOCATION OVER SAFE CASING RUNNING.
08:00	13:00	5.0	RAN 200 JT'S. 4 1/2", 11.6#, N–80, LTC CASING AS FOLLOWS: FLOAT SHOE @ 8599', 1 JT CSG, FLOAT COLLA @ 8555', 51 JTS CSG, MARKER JOINT @ 6340', 55 JTS CSG., MJ @ 3997', 93 JTS CSG AND A 10' PUP JT TO GROUND LEVEL. PU JT. #201 OF CSG AND TAGGED BOTTOM. LD TAG JT., PU LANDING JT WITH CASING HANGER AND DTO FLUTED HEAD. LANDED CASING HANGER W/75,000# RESTING STRING WT.
13:00	14:30	1.5	RD FRANKS WESTATES CASING AND LD MACHINE TOOLS. RU HALLIBURTON CEMENTERS TOOLS. HELD SAFETY MEETING OVER SAFE CEMENTING PRACTICES.
14:30	17:30	3.0	PRESSURE TEST LINES TO 5000 PSI, CEMENT PROD. CASING AS FOLLOWS: DROP BOTTOM PLUG, PUMP 20 BBLS MUD FLUSH, 20 BBLS FRESH WATER, MIX AND PUMP 390 SX LEAD CEMENT (127.8 BBL) @ 12.0 PPG, 1.84 YLD, H2O 9.86 GAL/SK. MIX AND PUMP 1215 SX (318 BBLS) TAIL CEMENT @ 13.5 PPG, 1.47 YLD, H2O 6.98 GAL/SK. WASH UP TO PIT, DROP TOP PLUG AND DISPLACE W/ 132.6 BBLS H2O. FULL RETURNS. NO CEMENT TO SURFACCE. MAX OPERATING PRESSURE 2215 PSI, BUMPED PLUG TO 3840 PSI MAX. HELD PRESSURE FOR 1 MINUTE. BLED BACK 2 BBLS, FLOAT HELD.
17:30	19:00	1.5	RD HALLIBURTON CEMENTING TOOLS. HELD CEMENTING HEAD IN PLACE FOR ONE HOUR BEFORE REMOVING.
19:00	20:00	1.0	SET PACK OFF RING ON DTO HANGER W/ FMC TECH. HAND. TEST TO 5K PSI. TEST HELD.
20:00	22:00	2.0	ND BOP, CHOKE MANIFOLD, FLOWLINE AND CLEAN MUD TANKS W/ BADGER R&R SUPER-VAC TRUCKS
22:00	06:00	8.0	RIG DOWN ROTARY TOOL. MOVE RIG FROM THE ECW 94–23 TO THE ECW 93–23, 0.3 MILES.
			RW JONES TRUCKING SET TO BEGIN RIG MOVE AT 07:00 1/25/10. BLM NOTIFIED VIA EMAIL OF BOP TEST ON ECW 93–23 SCHEDULED FOR 1/25/10 AT 22:00 PM.
			TRANSFERRING 2500 GL DIESEL FUEL, 212.07' OF 4.5" 11.6# N -80 LTC CASING AND 20.06' P -110 11.6# MARKER JOINT TO THE ECW 93 -23 .
			RELEASE RIG AT 21:00 1/24/10.
			FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED.
			SAFETY MEETING TOPIC: RUNNING CASING/ CEMENTING SAFETY.
			FUEL RECEIVED 1200 GL. ON HAND 2500 GL, USED 1192 GL. BOILER 24 HR'S.
06:00			RIG RELEASE @ 22:00 HRS, 1/24/10.
			CASING POINT COST \$599,851

01-29-20)10 R	eported By	SEARLE							
DailyCos	ts: Drilling	\$0	Con	mpletion	\$36,300		Daily	Total	\$36,300	
Cum Cos	sts: Drilling	\$605,68	7 Con	mpletion	\$204,679		Well 7	Fotal	\$810,366	
MD	8,600	TVD	8,600 Progress	0	Days	8	MW	0.0	Visc	0.0
Formatio	n:	P	BTD: 8555.0		Perf:			PKR De _l	pth: 0.0	
Activity a	at Report Ti	me: PREP FOR	FRACS							
Start	End	Hrs Activ	ity Description							
06:00	06:00		SCHLUMBERGER. LO CHLUMBERGER.	OG WITH R	ST/CBL/CCL/V	DL/GR F	ROM PBTD T	TO 920'. EST	CEMENT TO	P @ 1220'.
02-20-20)10 R	eported By	MCCURDY							

DailyCosts: Drilling \$0 Completion \$1,693 **Daily Total** \$1,693 \$812,059 **Cum Costs: Drilling** \$605,687 Completion \$206,372 Well Total 0.0 0.0 8,600 0 MWMD TVD 8,600 **Progress** Days Visc

Formation: PBTD: 8555.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

02-25-2010	Repor	ted By	MCCURDY							
DailyCosts: Dri	lling	\$0	Cor	npletion	\$1,921		Daily	Total	\$1,921	
Cum Costs: Dri	lling	\$605,687	Cor	npletion	\$208,293		Well 7	Total	\$813,980	
MD 8,	600 TV	VD 8,60	00 Progress	0	Days	10	MW	0.0	Visc	0.0
Formation: MESAVERDE PBTI			: 8555.0		Perf : 7285'-	8439'		PKR Dep	oth: 0.0	

Activity at Report Time: FRAC STAGES 6 THROUGH 11

Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CUTTERS WIRELINE & PERFORATE LPR FROM 8220'-21', 8231'-32', 8239'-40', 8246'-47', 8266'-67', 8270'-71', 8346'-47', 8365'-67', 8371'-72', 8376'-78', 8408'-09', 8438'-39' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7390 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 32557 GAL 16# DELTA 200 W/114200# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 6190 PSIG. MTR 53.3 BPM. ATP 4702 PSIG. ATR 51.3 BPM. ISIP 2744 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8196'. PERFORATE LPR FROM 8012'-13', 8023'-24', 8031'-32', 8036'-37', 8086'-87', 8092'-93', 8097'-98', 8105'-06', 8156'-57', 8161'-62', 8174'-75', 8180'-81' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7442 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 31719 GAL 16# DELTA 200 W/110300# 20/40 SAND @ 2–5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5862 PSIG. MTR 53.1 BPM. ATP 4887 PSIG. ATR 51.7 BPM. ISIP 3605 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7950'. PERFORATE MPR FROM 7728'-29', 7746'-47', 7762'-63', 7788'-89', 7816'-17', 7819'-20', 7840'-41', 7865'-66', 7868'-69', 7883'-84', 7897'-98', 7907'-08', 7914'-15', 7926'-27' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 54285 GAL 16# DELTA 200 W/185700# 20/40 SAND @ 2-4 PPG. PUMPED SCALECHEK HT @ 1.1 LB/1000 LB PROP. MTP 6249 PSIG. MTR 49.7BPM. ATP 4855 PSIG. ATR 49.2 BPM. ISIP 4353 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7690'. PERFORATE MPR FROM 7468'-69', 7483'-84', 7499'-500', 7505'-06', 7510'-11', 7521'-22', 7577'-78', 7595'-96', 7599'-600', 7603'-04', 7662'-63', 7666'-67', 7670'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7364 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 35797 GAL 16# DELTA 200 W/124700# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5776 PSIG. MTR 50.6 BPM. ATP 4911 PSIG. ATR 50.4 BPM. ISIP 3359 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 7440'. PERFORATE MPR FROM 7285'-86', 7294'-95', 7310'-11', 7319'-20', 7323'-24', 7353'-54', 7360'-61', 7371'-72', 7374'-75', 7378'-79', 7385'-86', 7390'-91', 7394'-95', 7418'-19' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7416 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 42314 GAL 16# DELTA 200 W/147000# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5177 PSIG. MTR 50.9 BPM. ATP 3831 PSIG. ATR 50.9 BPM. ISIP 1985 PSIG. RD HALLIBURTON. SWIFN.

02–26–2010 Reported By MCCURDY

Daily Costs: Drilling \$0 **Completion** \$450,563 **Daily Total** \$450,563

Cum Costs: Drilling \$605,687 **Completion** \$658,857 **Well Total** \$1,264,544

MD 8,600 TVD 8,600 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation : MESAVERDE / **PBTD :** 8555.0 **Perf :** 5331'-8439' **PKR Depth :** 0.0

WASATCH

06:00

Activity at Report Time: PREP TO MIRUSU

Start End Hrs Activity Description

06:00 24.0 SICP 1220 PSIG. RUWL. SET 6K CFP AT 7240'. PERFORATE UPR/MPR FROM 7034'-35', 7041'-42', 7047'-48', 7065'-66', 7084'-85', 7096'-97', 7109'-10', 7121'-22', 7150'-51', 7157'-58', 7177'-78', 7185'-86', 7192'-93', 7220'-21' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7367 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44224 GAL 16# DELTA 200 W/154900# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5181 PSIG. MTR

52.3 BPM. ATP 3657 PSIG. ATR 51.5 BPM. ISIP 2406 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6900'. PERFORATE UPR FROM 6680'-81', 6688'-89', 6694'-95', 6705'-06', 6729'-30', 6744'-45', 6757'-58', 6761'-62', 6766'-67', 6795'-96', 6802'-03', 6838'-39', 6862'-63', 6870'-71' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7336 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 42145 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 5489 PSIG. MTR 51.9 BPM. ATP 3986 PSIG. ATR 51 BPM. ISIP 2091 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6634'. PERFORATE UPR FROM 6479'-80', 6487'-88', 6494'-95', 6510'-11', 6514'-15', 6522'-23', 6526'-27', 6533'-34', 6547'-48', 6577'-78', 6582'-83', 6608'-09' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7409 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 33682 GAL 16# DELTA 200 W/117100# 20/40 SAND @ 2-5 PPG. PUMPED SCALECHEK HT @ 1.25 LB/1000 LB PROP. MTP 4735 PSIG. MTR 51.2 BPM. ATP 3611 PSIG. ATR 50.4 BPM. ISIP 2168 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6360'. PERFORATE Ba FROM 6079'-80', 6096'-97', 6214'-15', 6234'-35', 6241'-42', 6245'-46', 6252'-53', 6256'-57', 6275'-76', 6282'-83', 6291'-92', 6320'-21', 6335'-36' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 7410 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 31648 GAL 16# DELTA 140 W/107800# 20/40 SAND @ 2-4 PPG, MTP 4979 PSIG. MTR 51.8 BPM. ATP 3755 PSIG. ATR 50.7 BPM. ISIP 2022 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 6002'. PERFORATE Ca/Ba FROM 5510'-11', 5546'-47', 5582'-83', 5650'-51', 5733'-34', 5758'-59', 5765'-66', 5781'-82', 5816'-17', 5858'-59', 5871'-72', 5894'-95', 5922'-23', 5983'-84' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 10548 GAL 16# LINEAR W/13700# 20/40 SAND @ 1-1.5 PPG, 32492 GAL 16# DELTA 140 W/101000# 20/40 SAND @ 2-4 PPG, MTP 5798 PSIG. MTR 51.9 BPM. ATP 4138 PSIG. ATR 50.6 BPM. ISIP 1593 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5480'. PERFORATE Ca FROM 5331'-33', 5341'-43', 5347'-49', 5353'-55', 5360'-61', 5395'-97', 5462'-63' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/110 GAL K-87 MICROBIOCIDE, 27380 GAL 16# DELTA 140 W/106300# 20/40 SAND @ 2-4 PPG, MTP 3693 PSIG. MTR 51.5 BPM. ATP 2995 PSIG. ATR 50.6 BPM. ISIP 1745 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5260'. RD CUTTERS WIRELINE. SDFN.

03-02-2010 Reported By HISLOP DailyCosts: Drilling \$0 Completion \$23,881 **Daily Total** \$23,881 \$1,288,425 \$605,687 \$682,738 **Cum Costs: Drilling** Completion Well Total MD 8,600 **TVD** 8,600 **Progress** Davs 12 MW0.0 Visc 0.0 **Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: POST FRAC CLEAN OUT

Start **Activity Description** End Hrs 06:00 06:00 24.0 SICP 0 PSIG. MIRUSU. ND FRAC TREE & NU BOP. RIH W/BIT & PUMP OFF SUB TO 5260'. RU TO DRILL OUT PLUGS. SDFN. HISLOP 03-03-2010 Reported By \$0 DailyCosts: Drilling Completion \$41,499 **Daily Total** \$41,499 **Cum Costs: Drilling** \$605,687 \$724,237 **Well Total** \$1,329,924 Completion MD 8,600 0 0.0 0.0 **TVD** 8,600 **Progress** Days 13 MWVisc **PBTD**: 8555.0 **Formation:** MESAVERDE / Perf: 5331'-8439' PKR Depth: 0.0 WASATCH Activity at Report Time: FLOW TEST Start End Hrs **Activity Description** 06:00 06:00 24.0 SICP 0 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 5260', 5480', 6002', 6360', 6634', 6900', 7240', 7440', 7690', 7950' & 8196'. CLEANED OUT TO 8541'. LANDED TUBING @ 7020' KB. ND BOP & NU TREE. PUMPED OFF BIT & SUB. RDMOSU. FLOWED 13 HRS. 24/64" CHOKE. FTP 1150 PSIG. CP 1400 PSIG. 86 BFPH. RECOVERED 1044 BLW. 11956 BLWTR. TUBING DETAIL LENGTH PUMP OFF BIT SUB .91' 1 JT 2-3/8" 4.7# N-80 TBG [YB] 31.50' XN NIPPLE 1.30' 218 JTS 2-3/8" 4.7# N-80 TBG [YB] 6967.67' BELOW KB 19.00' LANDED @ 7020.38' KB HISLOP 03-04-2010 Reported By \$6,315 DailyCosts: Drilling \$0 Completion \$6,315 **Daily Total Cum Costs: Drilling** \$605,687 Completion \$730,552 **Well Total** \$1,336,239 0.0 MD 8,600 **TVD** 8,600 0 14 MW0.0 Visc **Progress** Days **PBTD**: 8555.0 PKR Depth: 0.0 **Formation:** MESAVERDE / Perf: 5331'-8439' Activity at Report Time: FLOW TEST TO SALES Start End Hrs **Activity Description** 24.0 INITIAL PRODUCTION. OPENING PRESSURE: TP 1150 PSIG & CP 1400 PSIG. TURNED WELL OVER TO 06:00 06:00 QUESTAR SALES AT 10:45 AM, 3/3/10. FLOWED 520 MCFD RATE ON 24/64" POS CHOKE. STATIC 263. QUESTAR METER #008396. FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1150 PSIG. CP 1350 PSIG. 66 BFPH. RECOVERED 1561 BLW. 10395 BLWTR. 439 MCFD RATE. HISLOP 03-05-2010 Reported By DailyCosts: Drilling \$0 **Daily Total** \$8,185 Completion \$8,185 **Cum Costs: Drilling** \$605,687 Completion \$738,737 **Well Total** \$1,344,424 0.0 MD 8,600 **TVD** 8,600 15 MW0.0 **Progress** Days Visc

Formation: MESAVERDE / **PBTD**: 8555.0 PKR Depth: 0.0 Perf: 5331'-8439'

WASATCH

Activity at Report Time: FLOW TEST TO SALES Start End **Activity Description** Hrs

24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1300 PSIG. 63 BFPH. 06:00 06:00

RECOVERED 1554 BLW. 8841 BLWTR. 558 MCFD RATE.

FLOWED 480 MCF, 36 BC & 1561 BW IN 24 HRS ON 24/64" CHOKE. TP 1105 PSIG, CP 1350 PSIG.

03-06-2010 Reported By HISLOP \$0 \$3,055 \$3,055 DailyCosts: Drilling Completion **Daily Total** \$605,687 **Cum Costs: Drilling** Completion \$741,792 **Well Total** \$1,347,479 MD 8,600 **TVD** 8,600 16 MW0.0 Visc 0.0 **Progress Davs Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs **Activity Description**

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1650 PSIG. 52 BFPH.

RECOVERED 1371 BLW. 7470 BLWTR. 663 MCFD RATE.

FLOWED 615 MCF, 20 BC & 1554 BW IN 24 HRS ON 24/64" CHOKE. TP 1100 PSIG, CP 1375 PSIG.

03-07-2010 Reported By HISLOP \$0 \$3,477 \$3,477 DailyCosts: Drilling Completion **Daily Total** \$745,269 \$1,350,956 **Cum Costs: Drilling** \$605,687 Completion Well Total MD 8,600 **TVD** 8,600 17 0.0 0.0 **Progress** Days MWVisc **Formation:** MESAVERDE / **PBTD**: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End **Activity Description** Hrs

24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1850 PSIG. 45 BFPH. 06:00 06:00

RECOVERED 1231 BLW. 6239 BLWTR. 801 MCFD RATE.

FLOWED 735 MCF, 30 BC & 1371 BW IN 24 HRS ON 24/64" CHOKE. TP 1095 PSIG, CP 1750 PSIG.

03-08-2010 HISLOP Reported By DailyCosts: Drilling \$0 Completion \$2,835 **Daily Total** \$2,835 \$605,687 \$748,104 \$1,353,791 **Cum Costs: Drilling** Completion **Well Total** 0.0 MD 8,600 **TVD** 8,600 **Progress** 0 Davs 18 MW0.0 Visc **Formation:** MESAVERDE / **PBTD:** 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start **Activity Description** End Hrs

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1850 PSIG. 43 BFPH.

RECOVERED 1125 BLW. 5114 BLWTR. 851 MCFD RATE.

FLOWED 842 MCF, 30 BC & 1231 BW IN 24 HRS ON 24/64" CHOKE. TP 1100 PSIG, CP 1850 PSIG.

03-09-2010 Reported By HISLOP

Daily Costs: Drilling\$0Completion\$3,270Daily Total\$3,270Cum Costs: Drilling\$605,687Completion\$751,374Well Total\$1,357,061

MD 8,600 **TVD** 8,600 **Progress** 0 **Days** 19 **MW** 0.0 **Visc** 0.0

Formation: MESAVERDE / PBTD: 8555.0 Perf: 5331'-8439' PKR Depth: 0.0

WASATCH

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 24/64" CHOKE. FTP 1100 PSIG. CP 1900 PSIG. 41 BFPH.

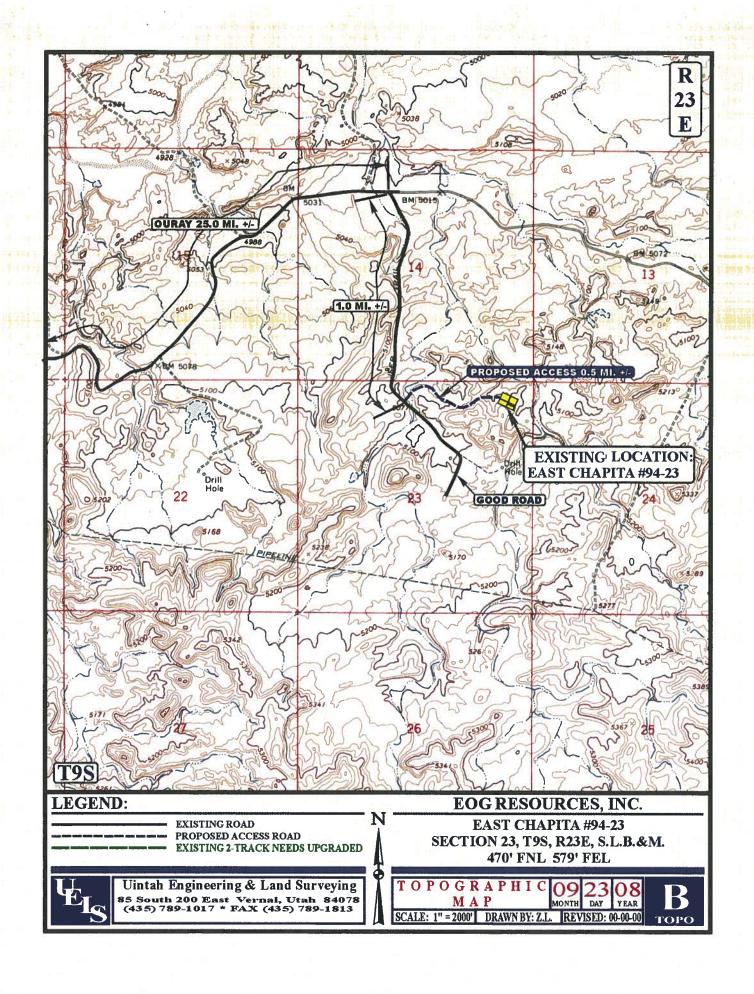
RECOVERED 1072 BLW. 4042 BLWTR. 856 MCFD RATE.

FLOWED 894 MCF, 47 BC & 1125 BW IN 24 HRS ON 24/64" CHOKE. TP 1095 PSIG, CP 1860 PSIG.

Sundry Number: 22044 API Well Number: 43047502400000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

			1				
	FORM 9						
1	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU67868						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: EAST CHAPITA 94-23				
2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43047502400000						
3. ADDRESS OF OPERATOR: 1060 East Highway 40, Ve		PHONE NUMBER: 1-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0470 FNL 0579 FEL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENE Section: 2	STATE: UTAH						
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
1/21/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:		_					
Date of Spau.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	L TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL ☐				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER: Set Comp & H2S Treatment F				
I .	COMPLETED OPERATIONS. Clearly show all						
· ·	nc respectfully requests the au		Accepted by the Utah Division of				
	s engine skid mounted mobile all H2S treatment facility on e	•	Oil, Gas and Mining				
	acilities would be set on existi		Country and the second of the				
	nth and up to 1 year and tie-i		Date: January 12, 2012				
The purpose of this is to enhance production with gas lift and safely By:							
incorporate the existence and treatment of H2S with the treatment							
facility. The H2S facility will effectively treat surface H2S that resides in							
the gas phase, imporove operational safety, reduce corrosion and							
decrease air emissions. Please see attached write-up for a more							
detailed expalnation. Also attached is the well pad location Topo D and current as-built site-facility diagram. An up-dated facility diagram will follow post installation.							
22 2 2 2 July alagram vin lonow poor moralitation.							
NAME (PLEASE PRINT)	PHONE NUMBEI	R TITLE					
Kaylene Gardner	435 781-9111	Regulatory Administrator					
SIGNATURE N/A		DATE 1/11/2012					

Sundry Number: 22044 API Well Number: 43047502400000



Sundry Number: 22044 API Well Number: 43047502400000

Centralized Treating Facility for H2S Sundry
Located on Existing Well Pad East Chapita 94-23
Section 23, T9S, R23E, SLB&M

H2S in the surface gas gathering system is a result of bacterial contamination of the subsurface formation by sulfate reducing bacteria. These bacteria produce gaseous H2S as a function of their metabolism. Due to the fact that not all wells are contaminated with H2S, this leads to fluctuations in the concentration of this contaminate. Acute increases in H2S in the surface gas gathering systems are a result of the volume percent of sour gas and the line temperature. These conditions cause H2S treating to become variable and difficult to manage on a well to well basis. By consolidating H2S treating to a central facility, this allows for the more consistent and efficient treatment. The environmental advantage to consolidating treating to a central facility, is that one facility will replace up to 30 gas operated chemical pumps that are currently being utilized to control H2S at the wellhead.

Installing this facility has additional direct and indirect benefits. The reduction of H2S in the surface gas will improve the operational safety by preventing exposure of personnel from accidental releases. It will also serve to reduce corrosion in surface piping and equipment thereby extending the life of the pipe and will require less maintenance. Furthermore, it will eliminate the risk of unintentional release of H2S into the atmosphere and decrease impacts to air quality in the area. Lastly, centralized facilities help decrease air emissions from gas engines & fugitive dust from less truck traffic throughout the field, as well as decrease tank emissions from less holding tanks at each well pad.

Sundry Number: 22044 API Well Number: 43047502400000

Ceogresources Site Facility Diagram

Sec: 23 T:9S Well Name: EAST CHAPITA 94-23 State: UTAH County: UINTAH 1/4 1/4:NE/NE

R:23E

Lease: UTU-67868 Well Type: Gas ⋛

400 HB A SECTION

40 and normal business hours are 7:00 a.m. to 4:30 p.m. Mon -Thurs and 7:00 a.m. to 1:00 p.m. Fridays Vernal office in Vernal, Utah. The office is located at 1060 East Hwy security plans are located at the Site facility diagrams & site

Water Drain	သွင	သွ	0	
	သွင	0	သွ	23/2010
Production Sales Phase Phase	0	သွင	သွင	Date: 02/23/2010
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BLM VERYAL, UTAH

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Abbreviations

FGS = Fuel Gas Scrubbe CT = Condensate Tank ET = Emergency Tank CHT = Chemical Tank COMP = Compressor EP = Electrical Panel BP = Booster Pump AR = Access Road COM = Combuster CON = Condensor DH = Dehydrator DL = Dump Line

FT = Fiberglass Tub FW = Firewall

LACT = LACT UNIT GEN = Generator GB = Gas Buster

LH = Line Heater LV = Load Valve MAN = Manifold

MB = Methanol Bath

MD = Meter Display MT = Meter Tube OT = Oil Tank

PIGL = Pig Launcher

PIGR = Pig Receive

PL = Production Line

PT = Propane Tank PU = Pumping Unit

PP = Power Pole

PV = Production Valve PW = Produced Water RL = Recycle Line

RP = Recycle Pump RV = Recycle Valve SC = Sealed Closed

SGS = Sales Gas Scrubber

SO = Sealed Open SM = Sales Meter SL = Sales Line

SP = Separator SV = Sales Valve

TP = Trace Pump T = Treater

WDP = Water Disposal Pump WD = Water Drain V = Valve

WFP = Water Flood Pump WH = Wellhead

- Unburied Line - = Buried Line

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SEP

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